

# Manufacturers Record

## Exponent America



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Baltimore, Md.  
MAY 17, 1928

## Industry and Agriculture Inseparably United.

Without agricultural prosperity there can be no general prosperity for manufacturers or merchants.

Without industrial prosperity there cannot be general prosperity for agriculture.

Prosperous farmers become the buyers of manufactured products.

Prosperous manufacturing creates a larger market for the products of the farm.

Thus, every business man in the country inevitably depends for his prosperity upon the prosperity of the farmers and upon the demand for farm products brought about by industrial employment and high wages.

These two interests, therefore, are tied together as the Siamese Twins. One cannot live in good condition unless both live in activity and prosperity. Fully recognizing this situation, the Manufacturers Record is publishing in this issue two remarkably valuable articles, one showing how under the leadership of local business men the Paducah, Ky., district has become a center of a strawberry-growing industry to the betterment of farm conditions. The other is an article from North Carolina giving in detail many facts in regard to how this farmer and that one, through the raising of livestock, and through trucking and poultry, is getting on high ground financially.

In every community in the South there are business leaders capable of taking hold of the situation whenever they come to recognize their responsibility to themselves and to their community, and help to lead the farmers into broader diversification.

Among some people who have not followed the rapidity of this diversification of farming and have not seen how communities here and there are taking hold of the situation, helping the farmers to engage in the raising of livestock and poultry, in dairying and kindred activities, there is a belief that agriculture in the South is stagnant and on the road to ruin rather than on the highway to betterment. We believe the Manufacturers Record can do no better work for the manufacturer, the professional man, the merchant and the laborer, than to tell the story from time to time of what is being done by individuals and communities in creating better farm conditions, better marketing facilities and in broadening the whole scope of farm work. Illustrations by the thousands could be given of the progress that individual farmers are making in this way.

The initiative and self-reliance and creative ability of Southern men in towns and cities and on the farms, fully aroused to the opportunity, can hasten the day when throughout the entire South there will be general agricultural prosperity, which would mean an enormous increase in the prosperity of every other interest and industry in the South.

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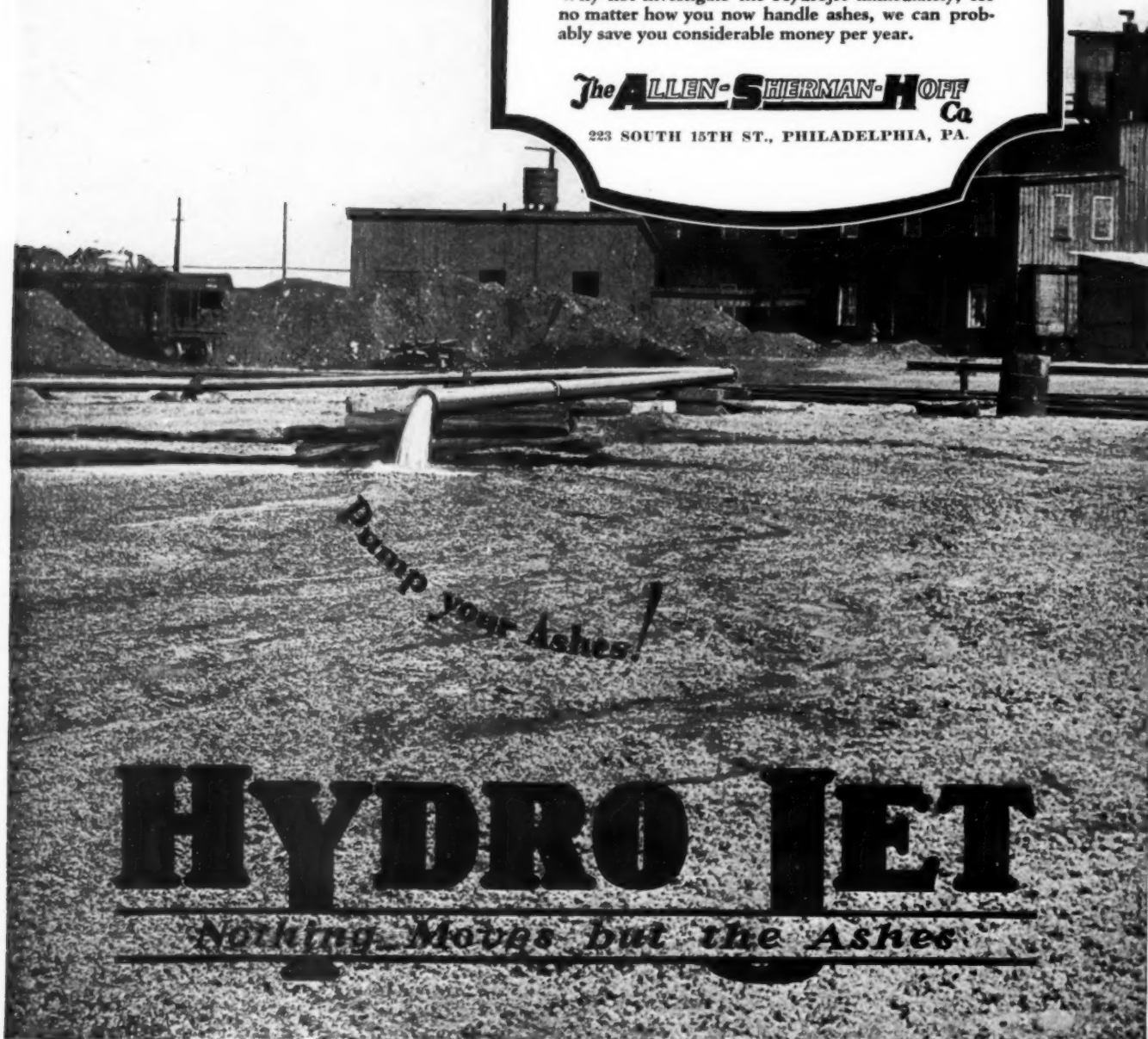
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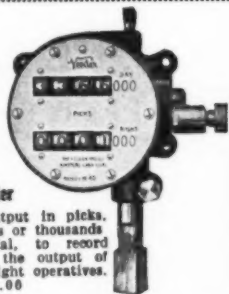
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# Manufacturers Record

EXPONENT OF AMERICA

Devoted to the Upbuilding of the Nation Through the Development  
of the South and Southwest as the Nation's Greatest Material Asset

Trade-Name Registered in the U. S. Patent Office

Vol. XCIII No. 20 }  
Weekly. }

BALTIMORE, MAY 17, 1928.

{ Single Copies, 20 Cents.  
\$6.50 a Year. }

## Our Prosperity and the World's Depends Upon Wise Action of the Federal Reserve System.

THERE is no one thing more vital to the well-being of a peaceful world than national and international confidence in the Federal Reserve System. In the many specious defenses of that abominable cowardice and ignorance which precipitated the deflation of 1920, it was always emphasized that the Federal Reserve System was our Rock of Gibraltar and that it was a sort of sacrosanct institution, so important that criticism of it was near treason.

Inflation or deflation, speculation or no speculation, rising prices or falling prices, this country and the whole world had been taught to believe that the Federal Reserve Board, as a sentinel, was guarding against extravagances of any sort and maintaining an unquestioned supremacy and dominance. For something more than three months, the Federal Reserve Board has been pursuing a policy designed, it is popularly supposed, to curb speculation. There has been no denial that such was its purpose. It has employed all three of its major curbing devices simultaneously. It has permitted enormous exports of gold; it has sold, not bought, in its open-market operations, and it has raised the rediscount rate, at least once in every district and twice in many of the districts.

In spite of this policy, the speculative market has waxed bolder and bolder, as if it thrived on poison. And in the midst of this madness there have been noticed, in the public prints, sneering statements, attributed to anonymous bankers, wherein it is intimated that the Federal Reserve Board, after all, is a meek and docile and impotent instrument that no longer need be reckoned with. Asked about the probable effect of a raise of the New York rediscount rate to 4½ per cent, one of these bankers is reported to have said that the market might drop a point or two, in gracious compliment to the Reserve System, but that it would thereafter immediately rise four or five points to prove its utter disregard of anything the Reserve authorities might do.

With all the solemnity of which we are capable, we say to these bankers and to others that if they succeed, deliberately or without conscious knowledge of what they are doing, in breaking down confidence in the supremacy of the Federal Reserve System, they will bring about in this country and in the world such a panic as has never been known before since modern commerce and modern finance came into existence. We have often criticized the methods and powers of the Reserve Board, but never have we questioned the theory that, so long as it is by legislation made supreme, it must be supreme in fact. If there is to be a central bank, the people want it in Washington, not New York.

We do not doubt that the Federal Reserve System is su-

preme. We have no doubt that its policies will progressively produce the results it seeks. We are inclined, in fact, to applaud the wisdom of the authorities in not doing some things they might have done to bring about a break. A few statements from Secretary Mellon similar to the statements which fell so persistently from the lips of Mr. Houston when he was Secretary of the Treasury would instantly have broken the stock market. Such a course, too, would probably have broken business, as it did when Mr. Houston was active.

It is a heinous thing that any group in New York, or elsewhere, realizing the forbearance of the authorities, and knowing their reluctance to do things hurtful to legitimate business, merely in order to curb speculative extravagance, should take advantage of that situation to subject the Reserve authorities to ridicule and to hold the System itself up to scorn.

It has been said that the deflation of 1920 was due to the fact that the Board had foolishly allowed unlimited inflation. A wise Administration in Washington would never have lifted the gold embargo so soon after the war as President Wilson did. But for the exit of gold that then ensued, all of which was to come back in added volume, no adequate excuse even then for deflation could have been found. There has been another great inflation, and it was caused by the return of this gold. Bank deposits are some \$15,000,000,000 in excess of what they were a few years ago. If we consider the ratio of total reserves to deposits and note liabilities of Federal Reserve banks, there is no reason for apprehension, even should another half a billion of gold leave the country. But, if we compare our gold stock with the volume of individual bank deposits, we find that the lowest ratio ever reached, just before the great deflation, was 7.2 per cent, and today it is down to approximately 8 per cent. This ratio has been steadily dropping ever since 1924. The high ratio of "legal reserve" is due to the fact that the amount of Federal Reserve notes outstanding has been cut almost in half. The reason why the ratio of the gold stock to the volume of individual bank deposits is so low is due to the inflationary use of the technical term "time deposits." Time deposits require a very low reserve. Therefore, a number of banks have encouraged depositors to buy short-term certificates of deposit or in other ways to permit what are really demand deposits to appear as time deposits. This is a dangerous form of banking, as most bankers will admit, and some way to stop it should be found.

We believe in a liberal banking policy. We do not believe in pursuing such a policy for a period only and then reversing it, thus pauperizing millions. There ought to be permanence of program. It is simply a process of legal theft and seizure

of private property to have recurrent cycles of inflation and deflation.

We want to see the supremacy of the Reserve System over pernicious speculative elements decisively demonstrated. But, we do not wish to see this done at a price so terrible that the mere thought of it appals the student of affairs. Extravagant speculation, after all, will correct itself. When speculators are paying prices for stocks that are altogether out of line with the actual worth of these stocks, there must be an inevitable reaction, no matter what the Reserve authorities do. And, therefore, should a drastic deflation now be indulged in, it would constitute a crime against humanity.

We have a real responsibility not only to ourselves but to the whole world. Dr. Miller of the Federal Reserve Board, testifying before the McFadden committee, in Washington, has broadly stated that the stimulating financial policy adopted last summer, after the Conference of International Bankers, in New York, was due entirely to foreign necessities; that it was not an American policy at all, but represented foreign interference. We think that Dr. Miller is entirely right when he says that the discussions at that time should have been made a matter of record. Only recently we pointed out the indefensible habit of the Reserve authorities of expunging from the record facts they did not like or of not keeping any record at all of epoch-making conferences.

But, we think, Dr. Miller is indulging in very dangerous practices when he raises this question of foreign influence and does it in such a way as to put ammunition in the hands of Mayor Thompson of Chicago and other politicians of his type. This newspaper was privileged, at the time of these important negotiations last summer, to give an exclusive explanation of what was going on. We emphasized the point that one of the decisive factors in reaching the decision to cheapen credit was that it would: (1) Permit Europe to make heavy purchases of our agricultural products; and (2) It would lighten the toll on our domestic crops moving to market. Dr. Miller says that this argument was merely "scenery." We did not so regard it. On the contrary, we emphasized it and reemphasized it because we intend this summer, and every summer thereafter, to hold up before the Reserve authorities the agreement they made last summer and to insist that they help agriculture again that way, every year, or swallow their own contentions. This country is going to demand hereafter some sort of consistency of policy; we are confident of that.

We are going to continue to have trouble and the Federal Reserve System will be kept in politics so long as we try to control the money markets by manipulation. That is why Dr. Schacht told Dr. Miller that what he wanted more than anything else was a "true money rate." That is why Governor Strong, who, we think, is obligated by definite commitments to world finance, is so anxious to get the world back on a true gold basis.

The Federation of British Industries states the case rather sanely:

"The principal objective of international monetary policy, we take it, is to re-establish an international gold standard operating in much the same way as in the pre-war period, that is to say, that gold movements should once again become automatic indicators of maladjustments in the levels of prices and general trade conditions in the different countries of the world, an outflow of gold being an indication that conditions in one country are ahead of those in the remainder, and an inflow that they are lagging behind. And it is only when all countries are compelled to keep more or less in step one with another by some such controlling factor that general expansion in world trade, such as occurred before the war, is able to proceed to any lengths. It is notorious that during the past two years movements of gold have borne little relation to price levels or trade conditions."

But the Federation of British Industries goes further and emphasizes another very vital point which has escaped gen-

eral attention in public discussions in this country. The Federation says:

"An increase in the American rediscount rates means that we may be faced with another period of falling world prices such as was experienced from 1925 to 1927, excepting that this time America will be the prime mover instead of Europe. The general implications of the present Federal Reserve policy, however, are so involved that it is dangerous to attempt to see very far ahead. A policy which apparently aims at checking speculation by depressing trade can only lead to confusion unless it succeeds in achieving its object quickly. For on the face of it the reduction in the industrial demand for banking accommodation which trade recession implies may easily release funds to offset the check administered to speculation by an increase in money rates."

So close is the relation between credit policy and prices that we might well look with alarm on a Federal Reserve policy that tended to bring the price level down, as a tight money policy would do.

We think there is some merit to the foreign complaint that we seem to be attempting "to apply *nationally* a method of controlling credit expansion which can only be operated, with any hope of success, *internationally*."

Faced with this confused American situation, wherein many of the interior Reserve Banks seem to be at loggerheads with the New York Bank, and opposed to any consideration of world requirements. Europe is hoping to save itself through the development of a sort of international "open-market asset" policy. That means by the listing of European securities on the American stock exchange. That is why so much is hoped from the recent listing of the British War loan. That would be an indirect method of redistributing America's credit, which, in some ways, would be equivalent to exports of gold.

We trust that the Federal Reserve Board will not lose its head and adopt dangerous policies, merely to curb speculation. There are many things far worse than this speculative mania, which will correct itself. It is wise, of course, to apply minor correctives, but this is the vital time when we should be of assistance in putting the whole world on stabilized financial ground, for only on such ground can we hope for expansion in our world trade and a permanent return of "normalcy." We are quite confident that Mr. Mellon will have a clear vision in this situation and, allowing for the timidity of certain members of the Federal Reserve Board, we think a majority of it will see eye to eye with the Secretary of the Treasury. The maintenance of the world price level and the stabilization program have won the approbation of the electorates of the several nations. It has permitted conservatism to overcome the Bolshevik activities in Britain, in France and in Germany. For a ruinous tight credit policy to be adopted by the United States now would not only imperil conservative success in the approaching German and British elections, but we are quite confident that it also would determine the result of our own elections, next November. If a drastic deflation policy were now adopted, it would probably be utterly impossible for any member of the dominant political party to be elected to the Presidency.

Politically, economically and morally, such inflation as has been brought into the financial system during recent years should be kept there. It is inextricably a part of our own and the world's economic structure. There is no need for alarm and no reason for lack of confidence. There is need only for clear heads and common sense.

#### FACTS ABOUT FARMING WANTED.

**F**OLLOWING the two interesting articles we are publishing today on the farm question, we invite from responsible business men, agricultural leaders and others, actual facts of what is being done in this farm betterment work throughout the entire South.



### THE NATIONAL INSTITUTE OF HEALTH.

A BILL that must appeal to the mind and heart of every American is that introduced by Senator Joseph E. Ransdell of Louisiana for the establishment of a National Institute of Health in which the ills that human flesh is heir to will be studied with a thoroughness equal to, or greater than, that now devoted to the ills of farm animals and plants. As Senator Ransdell points out, it is high time our government was giving more attention to the subject. Medical authorities estimate that in a single year in the United States certain common ailments known as the minor diseases attacked our population in the following numbers:

| Disease  | Persons    |
|--|------------|
| Colds and bronchitis.....                                | 50,232,000 |
| Influenza and grippe.....                                | 17,184,000 |
| Diseases of the digestive system.....                    | 11,589,000 |
| Tonsillitis and sore throat.....                         | 7,884,000  |
| Diseases of the nervous system, including headaches..... | 5,292,000  |
| Measles.....   | 4,104,000  |
| Whooping cough.....                                      | 2,712,000  |
| Rheumatism and lumbago.....                              | 2,616,000  |
| Heart and other circulatory diseases.....                | 2,196,000  |
| Hay fever and asthma.....                                | 600,000    |

This tabulation takes no account of the more deadly diseases. Like yellow fever, hook worm and malaria, the diseases shown in the table should be stamped out. Their annual toll in discomfort and suffering cannot be gauged; their toll in economic loss has been estimated at more than \$1,000,000,000 for medical aid; at \$2,000,000,000 loss in wages; and at \$6,000,000,000 in lives prematurely lost from preventable diseases; or a total of over \$9,000,000,000 without taking account of the loss sustained by corporations through the illness of salaried workers. There is nothing that we can buy, of food, of clothes, of household necessity or comfort, or of entertainment, from swaddling clothes to a shroud, the price of which does not contain an element for the illness of the workers who produced it. By making use of the research of the laboratories established decades ago and steadily maintained by the German government, we have improved our own methods of diagnosing and treating tuberculosis; we protect our children by the tuberculin test of cows; we guard them against diphtheria by the antitoxin developed in the laboratories of Germany. Moreover, in the same way we, and all the world, are protected from tetanus and cholera by German discoveries; typhoid fever, thanks to them and to the English, has been greatly lessened. The causes of many other diseases, including pneumonia, erysipelas, blood-poisoning, gonorrhea and syphilis have been determined and great strides made in their treatment, in these German laboratories.

Let us be frank and confess, however much it may hurt our national pride, that in the field of fundamental research into the prevention and cure of human ailments the German government is a long way ahead of our own. Nor can we, in this case, plead that this is no proper field for our government to enter. Numerous Washington bureaus have long been engaged in research into the nature of plant and animal diseases. Without question the returns have been worth much more than their cost, and no branch of private industry has been injured thereby. If it is proper for the government to study plant and animal diseases, how much more appropriate it is that it study the diseases of its citizens. And in fact our Public Health Service, with very inadequate resources, has long been performing splendid service in that field, and the bill of Senator Ransdell would create no new bureaus, but would greatly enlarge the facilities and the activities of that service. The bill provides that the Secretary of the Treasury be authorized "to establish and operate a National Institute of Health under the jurisdiction of his department and the administrative control of the Surgeon General of the Public Health Service, which shall be devoted to scientific research in the problems of the diseases of man and matters pertaining to health."

In a word, it is proposed that we simply enlarge an already

existing agency into "a great chemo-medical research laboratory, fully equipped to cope with all diseases that afflict the human race." In addition to its research functions, it is the Senator's idea that the health institute should, first, act as an international clearing-house for scientific information relating to health, thus serving as a reliable source of information as to what is being done in all other countries of the world, and also giving to the world the latest data on progress in this country; second, Senator Ransdell would have the institute establish and maintain a system of fellowships in pure scientific research "in order to encourage and aid men of marked proficiency to fight the diseases that menace health. \* \* \* The national health institute would not do any undergraduate work whatever, but its experts would be selected on account of special qualifications and promise from among the young men of the nation who have completed their academic studies." In other words, it would be a great post-graduate university of pure scientific research to ascertain the cause and prevention of disease affecting human beings.

Third, the bill contains an unusual and very interesting provision which authorizes the Treasury Department to accept gifts unconditionally for study, investigation and research in the fundamental problems of the diseases of man, and matters pertaining thereto. It provides that if any gifts are in amounts of half a million or more, the name of the donor shall be attached, just as in the case of James Smithson, whose donation of \$550,000 created the great Smithsonian Institution.

Fourth, the measure authorizes whatever appropriations are necessary from time to time to carry out its provisions, and limits the amount which may be expended in the construction and equipment of suitable buildings for the Institute to \$5,000,000.

### TEXAS DISCUSSING HIGHWAY BOND ISSUE OF \$300,000,000.

CHAIRMAN STERLING of the Texas Highway Commission has presented to the people of that State an outline of a proposition he is advocating for a bond issue of from \$300,000,000 to \$350,000,000 to be retired over a period of years with revenues from the gasoline tax. His arguments in favor of this enormous bond issue—which, however, in proportion to the natural resources and population of Texas is less than some other states have issued in proportion to their resources and population—broadly discuss the whole subject, elsewhere in the MANUFACTURERS RECORD this week.

He suggests that the money be expended at the rate of \$40,000,000 to \$50,000,000 a year, and that the issue should be voted on the express condition that the state will refund to the counties money they have already spent on state highways since the beginning of the state highway work, less the amount of any depreciation that has taken place.

The proposition to repay to the counties their expenditures on state highways is somewhat in line, but not exactly so, with discussions which are going on in Florida. By reason of the enormous tourist business in that state, Florida's income from auto licenses and gasoline tax is very heavy. It is believed by many that a large proportion of the roads necessary for that state for several years to come have already been built, or are now under construction, and that the state could well afford to lessen its expenditures on highways by probably one-half for some years, and apportion the balance of this income to the counties to pay interest on bonds issued for highway building and the amortization of these bonds. This would lift a heavy load from the counties which have been carrying on highway building for many years. It is claimed by some able attorneys in the State that this could not be done under the present constitution, and that there is

not much likelihood that the constitution would be changed.

Some also propose that the gasoline tax should be reduced because the amount of money it is now bringing would scarcely be needed for state highway work. It would seem, however, that if some way can be found for allotting to the counties for their highway bond issues a considerable proportion of the present gasoline tax it would be very desirable.

The tourists who go to Florida in such great numbers do not, we believe, make any complaint about the gasoline tax. They have the advantage of the magnificent highways of Florida, and use these highways unceasingly through the whole winter season. To reduce the gasoline tax would, therefore, be to lessen the amount paid by the tourists who, to a large extent, are abundantly able to make this contribution to Florida's wonderful highways without feeling the loss of the money.

The counties are, however, heavily burdened with bonds issued for the building of highways. If they could be relieved of the taxation necessary to pay the interest on these bonds and ultimately to amortize them, a very heavy load would be lifted from their tax bills and a new spirit of enthusiasm would be seen throughout the State.

### A GREAT ELECTRIC DEVELOPER HAS HEARD THE FINAL CALL.

"THE South is sleeping on billions of values," wrote Paul T. Brady some years ago to the MANUFACTURERS RECORD. The death of Mr. Brady at the age of 71 a few days ago recalls to mind this statement and other enthusiastic commendations which he often made in regard to the resources and development of the South.

As one of the pioneers in the development of the electric operations of this country, Mr. Brady later became identified with the Westinghouse interests, and so remained up to the time of his death. He was instrumental in bringing about many electric developments in the South as well as in other parts of the country. Among the great leaders in industry in the North, the South probably has never had a more enthusiastic advocate than Mr. Brady.

He was working to the last and, as stated by President Herr of the Westinghouse Company, "was actively engaged in development work up to the very last day of his life." In the death of Mr. Brady the South as well as the country at large has lost one of its enthusiastic, successful workers for electric development.

### ENORMOUS INVESTMENTS IN SOUTH BY ONE LIFE INSURANCE COMPANY.

FROM the annual report of the Metropolitan Life Insurance Company which gives in detail all of its investments, the MANUFACTURERS RECORD has compiled the following statement of its investments in the South:

SCHEDULE OF SOUTHERN BONDS OWNED BY THE METROPOLITAN LIFE INSURANCE CO. AS OF DECEMBER 31, 1927.

|   | Individual issues | Par value     |
|---|-------------------|---------------|
| Southern State, county and municipal bonds..            | 145               | \$15,218,561  |
| Railroad bonds of lines wholly or mainly in South ..... | 203               | 231,127,007   |
| Southern public-utility bonds.....                      | 22                | 37,261,000    |
| Miscellaneous bonds (Industrials, etc.).....            | 6                 | 3,340,000     |
| Total .....   |                   | \$286,946,568 |

It is interesting to run through the detailed statement and see the number of Southern investments of this company and how widely they are scattered throughout the South. The total investments of the company in the United States amount to \$990,996,900. Of this amount the South has \$286,946,568, or about 29 per cent of the total investments in the United States of this giant insurance company. This is a tribute from one of the highest financial sources of the United States to the value of Southern securities.

### ONE SAMPLE OF AGRICULTURAL DIVERSIFICATION AND CO-OPERATIVE MARKETING.

EDWIN J. PAXTON, president of the Evening Sun of Paducah, Ky., in a letter to the MANUFACTURERS RECORD, gives some important and interesting information as to how, through the activity of a few people who did not know how to admit defeat, there has been developed in the Paducah farming region a remarkable illustration of diversification in agriculture, and in this case particularly in the raising of strawberries. The story is one of extreme interest, and wherever carefully read it will stimulate other people to realize things that can be done by local people in the development of their own farm diversification. In the course of his letter, Mr. Paxton says:

"I was very much interested in an article on strawberries you published in a recent number, in which you reported what wonderful success two west Tennessee farmers had in leading a Southern community, which had never thought of berries as a crop, to successfully producing them.

"We have done splendidly with strawberries in this county and our success has prompted the nearby counties in Kentucky and across the river in Illinois to go into berry culture, too; and the biggest incident in the entire movement, in my opinion, is that every one of the counties has joined the local, the McCracken County Growers' Association, body and is using one selling organization.

"Other sections of Kentucky and the South have done finely with berries, for a while. Jealousies would creep into the movement; two and three separate selling organizations would start up, which have led to disaster because: The quality of the crop has been lowered by some of the selling organizations being less strict in their inspections, which of course in turn has made for lower prices and other competitive evils.

"Our organization has stressed quality, proper grading and packing and every season our fruit has brought an average of 50 cents a crate over other berries on the market, at the same time, by virtue of this fact.

"Each year this newspaper holds a berry show, and offers prizes for the best crates, the selections to be based on color, uniformity of size, condition for shipping—whether too ripe or too green—appearance of package and similar features. This judging is always done by an expert from the Kentucky State University and has been helpful in teaching our growers how to prepare their crop for the markets. We grow only one berry for shipping, the Aroma. We have berries that are sweeter, and grow larger, but the Aroma stands up under shipping better than any other we know.

"In shipping seasons, Paducah is full of buyers, and the sales agents receive great batches of offers from all sections of the country in the market for berries at that time, so selling is not a problem.

"I thought maybe the experience of our county and its neighbors might be of value to your publication, for use some time, and therefore I had Miss Sidney Snook, our reporter who covers the activities of our association, write the article I am enclosing herewith.

"Last year, our crop would have brought twice the sum it did, but we had a freeze just at the critical period and some farmers lost their entire acreage. The season is very backward this year. The vines have come through the winter in good condition and everything indicates a big crop, as this is written. As this is true of other berry sections, it will be interesting to see how they all come out."

The full story, as given in this issue, serves to illustrate the latent possibilities which can be brought into tangible, wealth-creating activities in nearly every part of the South, wherever local people put forth the kind of energy shown by some of the Paducah region farmers who brought about the development of strawberry growing and, more than that, an adequate system of co-operating marketing.



### A ROYAL ROAD TO PROSPERITY.

**F**RESH evidence of the fashion in which Southern agriculture is steadily solving its problems and bringing prosperity to farms and towns alike, in widely separated sections, is contained in the developments described in this issue. In Eastern North Carolina marked improvement is reported in diversification and "living at home." In McCracken County, in Western Kentucky, a great strawberry-growing industry has been developed.

The McCracken County Growers' Association, claimed to be the largest single strawberry shipping agency in the world, had its inception 15 years ago when six business men of Paducah set out to persuade McCracken County farmers that they could make more money by supplementing tobacco—their only cash crop—with strawberries, and selling through a co-operative agency. The farmers at first regarded the plan as a joke, but by persistent effort a few of them were induced to try the experiment.

In 1913, twenty-nine and a half acres were planted to Aroma berries, and in May, 1914, one carload was shipped through the association channels. Success attracted other farmers, and in 1927, in spite of heavy damage by frost, a total of 2285 farmers, cultivating 4700 acres, shipped 631 carloads for a price of \$570,000.

In recent years the MANUFACTURERS RECORD has reported many similar instances in truck and berry production, in dairying and poultry raising. Literally hundreds of other illustrations have gone unmentioned. It all shows that:

First, the single-crop system, so long dominant in the South, is wrong;

Second, where single-cropping is replaced by diversification and co-operative buying and selling, prosperity takes the place of poverty; and

Third, as illustrated in the case of McCracken County and in numerous other instances, it is frequently the bankers and merchants of the towns who must take the initiative and must furnish the business experience necessary to guide the co-operative effort.

The reading columns of the MANUFACTURERS RECORD contain ample evidence from time to time that where such a policy is carried through the business men of the towns share richly in the prosperity of their farm customers.

### A SOUTH CAROLINIAN WHO DOES NOT FAVOR FEDERAL COLONIZATION PLAN.

**H.** L. TILGHMAN, Chairman, South Carolina State Forestry Commission, in a letter to the MANUFACTURERS RECORD in regard to the proposed farm reclamation or community colonies now being so vigorously advocated by some leading men in the South writes:

"I believe that you are correct, and Government aid is not necessary and should not be asked for."

In a later letter, acknowledging receipt of a copy of the MANUFACTURERS RECORD of May 10, Mr. Tilghman writes:

"You certainly have covered this question thoroughly and I agree with your conclusions."

### BOND SALE AIDED BY PUBLICITY IN MANUFACTURERS RECORD.

**J.** L. VAUGH, City Clerk of Dothan, Ala., in the course of a letter to the MANUFACTURERS RECORD writes:

"I hand you our check for \$12.25 to cover your invoice for advertising Notice of Sale of bonds for us recently. I wish to state as a result of this advertising, and that of other periodicals through which we advertised, that we were able to sell our bonds at a premium. So far as the writer knows, this is the first time a City of Dothan bond has sold at a premium for a number of years, if ever."

### INDUSTRIAL AND COMMERCIAL EXPANSION AT BALTIMORE AFFORDS A LESSON FOR OTHER CITIES.

**I**T was but a few years ago that the people of Baltimore determined to establish an Industrial Bureau for the development of manufacturing interests. George C. Smith, who had made a preeminent success in such work, was called to the task, and in connection with H. Findlay French, now the head of the organization, Mr. Smith having lately taken a somewhat similar position in St. Louis, this work has been pushed with such vigor and intelligent management that it has drawn to the city during the last few years many enterprises of outstanding importance in national and international affairs.

The annual report of James Carey Martien, the retiring president of the Baltimore Association of Commerce, of which the Industrial Bureau is a part, gives many striking facts in regard to the manufacturing growth of the city in recent years. It reports that during 1926-27 75 new industries, with a capital investment of \$9,000,000 and giving employment to 6,000 workers, were established. During the same period there were 163 expansions of local industries with a capital investment of \$17,500,000 to give employment to 4,000 additional workers.

From 1923 to 1927, inclusive, the Industrial Bureau announced the establishment of 205 new industries in Baltimore with a plant investment of \$22,000,000 and labor employment of over 13,000 persons. Within the last few weeks, and since this report was compiled, the Procter & Gamble Company have purchased a site on which to build a soap plant to cost between \$3,500,000 and \$4,000,000.

Reviewing the work of the Export and Import Board of Trade, likewise a subsidiary of the Association of Commerce, President Martien reports that in 1919 Baltimore was the seventh port in the United States in volume of foreign tonnage, while in 1926 the city had risen to the second place, and in 1927 Baltimore again held its position as second port in foreign tonnage in the country.

Between 3,000 and 4,000 ocean steamers now visit the port of Baltimore yearly, spending on an average of from \$8000 to \$15,000 each in paying off and outfitting. During the last five years the total port business of Baltimore has risen from \$575,000,000 to \$932,000,000. The total foreign and domestic commerce has risen from 13,200,000 tons of cargo to 22,900,000 tons in the last five years. In the last three years, said Mr. Martien, Baltimore has led every port, even including New York, in the total tonnage of shipments by water via Panama Canal to the Pacific Coast.

Customs receipts at Baltimore have risen from \$1,000,000 eight years ago to \$19,000,000 at the present time.

The Association of Commerce now has a membership of 3,000, but President Martien in his report took the ground that the organization should have at least 5,000 and a sustaining fund of not less than \$125,000, though he regards a sustaining fund of \$250,000 as really necessary adequately to carry on the work of the organization. The total income of the Association for 1927 was \$165,000, with indications that for 1928 the amount will be \$186,000 from memberships and from the sustaining fund.

Several lessons can be drawn from this report, for the careful study of the towns and cities of the country in general. The success of the Industrial Bureau in securing the establishment of new industries is one of its marked features. That organization has never undertaken to bring to Baltimore any enterprise until it had fully mastered the details in regard to the advantages offered by the city, not in glittering generalities, but in actual provable facts as to the availability of raw materials, the labor supply, the con-

tented character of Baltimore labor, with the attractive and comparatively cheap houses available for the working people. This is regarded by the managers of the concerns which have located in the city from other places as one of the most important features in connection with Baltimore's industrial advancement. Thousands of dwellings with every modern improvement are annually constructed and available on easy payments for purchase by laboring men and others. This gives to Baltimore working people opportunities for comfortable homes superior to those found in most of the other cities of the country. It is one of Baltimore's greatest advantages, and a careful study of these homes, the facilities they provide, and the method of construction and of sale, could be studied to advantage by all other cities seeking the development of industrial activities.

Another important fact connected with this work is that organizations of this kind managed by men of ability, and not by theorists and boomers, can render an invaluable service to every community where they are properly supported by the business people and property owners. A good many towns and cities in various parts of the country have similar organizations equally as well managed, but there are many other places in which such organizations are rather niggardly supported by the local people and, therefore, the results are necessarily lacking in the success which attends well managed, well financed, well supported commercial organizations for the upbuilding of all the varied possibilities of any community.

#### THE COTTON OUTLOOK AND DIVERSIFIED AGRICULTURE AS SEEN IN TEXAS.

COLONEL CLARENCE OUSLEY, director of the Texas Safe Farming Association, in the course of a letter from Dallas to the MANUFACTURERS RECORD, writes:

"It is true that many of our farmers are cotton-minded and whenever the price promises a little better than the cost of production they cannot resist the temptation to plunge on cotton production mainly, or entirely. But, happily, many men who have heretofore been under the cotton habit realize that dependence upon cotton alone is an unsafe method. They have been influenced by many sad experiences, and particularly by the firm attitude of bankers and merchants doing business with them. For the most part, those bankers and merchants who were formerly almost as cotton-minded as the farmers themselves have come to realize that cotton alone is not a safe basis for credit and they have in some instances even required that the cotton producing debtor shall raise his own home supplies. We are not yet out of the woods in this respect, although we have traveled a considerable distance toward better farming and a safer basis of credit and business prosperity.

"I have made no detailed survey of the intention to plant cotton in Texas this year, but I have been observant of conditions and have gathered the impression from many personal contacts that our acreage will be slightly increased, but perhaps no more than the actual situation warrants. The fact is, the gross production of cotton in 1926 and 1927 scarcely equalled the actual consumption of American cotton for those two years. Hence, if we produce this year not over 16,000,000 bales we will no more than preserve the present ratio of supply to demand. If we produce no more than 15,000,000 bales we will have less than the world's actual need in 12 months. The crop is getting a very late start, on account of unfavorable weather, and unless we have exceptional weather during the growing season I hardly see how we can produce more than 15,000,000 bales. Unfavorable weather during the growing season might result in only 14,000,000 bales. It is possible, of course, to produce 16,000,000, but the probability at this time is against such a yield. For these reasons I am feeling very comfortable about the price of cotton to be grown this year. It seems to me the advance in the market during the past two or three weeks has been entirely justified and that the present levels are warranted by facts."

#### FOOLING THE COTTON GROWERS.

AN interesting fact, often commented on in years past, is that nearly every spring about cotton planting time cotton prices advance, causing cotton growers to increase their acreage in the anticipation that prices will hold good through the coming season. After a large acreage has been planted, brought about very generally in this way, prices decline and in the fall are generally low until after the cotton growers have been forced by their economic condition to sell their cotton.

Recent heavy rains in parts of the South have been given as an excuse for the marked increase in the last few weeks in the price of cotton, but for many, many years something has always been given as an excuse for higher prices in the planting season which inevitably stimulates the farmers to think that by putting in a larger acreage they can make money in the following season.

#### Immigration Discussed From Many Angles.

The Congressional Digest for May, published in Washington, but "in no way whatever connected with the Government, nor any party, interest, class or sect," contains a remarkable symposium on immigration, to which the entire issue is largely devoted.

Into this publication have been gathered more discussions on immigration, pro and con, than have ever before we believe been found in any one publication. Hon. Harry E. Hull, United States Commissioner General of Immigration, analyzes and outlines American immigration restriction policy, while Hon. Albert Johnson, Chairman of the House Committee on Immigration, covers "How Present Congress Is Dealing With Proposed Immigration Laws."

Congressman Box of Texas strongly urges that the quota law be applied to immigration from Mexico, but Congressman Garner of the same state takes the opposite view, and the two discuss from different angles this situation in a way to throw an immense amount of light upon a question which is deeply stirring the people of the southwestern states.

Alfred P. Thom, general counsel of the Association of Railway Executives, argues against restricting Mexican immigration, while Edward H. Dowell, vice-president of the California State Federation of Labor, argues in behalf of restriction, taking the ground that the incoming of Mexican laborers made it impossible for Americans to find work in parts of that state, as a large percentage of the local work, especially public work, is being done by Mexican immigration labor.

Many other writers who have studied the matter with care broadly discuss this whole question from every angle so that no one at all interested in questions of restricting immigration, or specifically in Mexican immigration which is now commanding such serious attention in the Southwest, can fail to study the views expressed without losing a distinct opportunity to secure worthwhile information on the subject. The arguments are presented by men who have studied these problems and who are able to express their convictions with clearness and force. In providing such a symposium of matters pertaining to the question of immigration, on which the future of this country is so largely staked, the Congressional Digest has rendered a distinct service.

The next issue of the Digest will be devoted to the question "What Shall the Government Do With Its Merchant Ships?" This will be discussed in the same way, pro and con, with particular reference to the problems Congress faces in trying to reach a decision on this vitally important matter. The office of the Congressional Digest, the subscription price of which is \$5 a year, or 50c a copy, is in the Munsey Building, Washington, although the publication is printed in Baltimore by Fleet-McGinley, Inc.



## A Kentucky County That Is Building a Great Strawberry-Growing Industry.

By SIDNEY SNOOK, Paducah, Ky.

A tale of fantasy would have little part in the record of the average McCracken county farmer, but there is one chapter in the story of the agricultural development of the county that sounds almost fanciful. Viewing it in detail, however, there is nothing in the account of the organization and growth of the McCracken County Growers' Association that is other than practical. Yet the story is not one of drab practicality; it is, rather, the fascinating story of the achievement of a small group of far-sighted men who had a vision of a better day for McCracken county farming and who made their vision real. It is a story of the development of the association from that day 15 years ago when a handful of farmers agreed to raise and ship a few strawberries co-operatively until today it holds the distinction of being the largest single strawberry-shipping agency in the world. It is the story of shipment of a part of one carload the first year and the shipment of 361 carloads in the 1927 berry-shipping season, one of the most unfavorable seasons ever known.

The success of the strawberry industry is the material result of the vision of the little group of farmers and business men who clung to a vision of a McCracken county that could be described in terms other than "the black patch," with dark fired tobacco its one and only money crop; a vision of a McCracken county with a diversified program of farming; a vision of McCracken county farmers with a new cash crop—strawberries. Today McCracken county is recognized as one of the foremost fruit-growing counties in the state; the first in strawberry production; the first peach-growing county in Kentucky; and the second greatest apple-growing county in the state.

The association as it now stands is a far call from the organization launched on its course by six optimistic Paducah business men. These men organized the McCracken County Growers' Association after raising \$1200 among Paducah merchants who wanted to lend the county a helping hand. With this money the organizers employed a county agent; then they set forth to obtain strawberry acreage. They went over the county and on the first day secured a grand total of three and a half acres, not particularly cheering.

The farmers, for the most part, looked on the whole proposition as a joke. Co-operative marketing might be all right, they maintained, but they did not care a great deal about trying it out. They were indifferent to the idea of raising strawberries. At that time comparatively few farmers in the county included strawberries in their program. Several raised strawberries, selling them on the local market, where they brought about a dollar a crate; some of the best quality brought as much as \$1.50 a crate. Different varieties were produced.

In order to arouse interest in the possibilities of the industry, the sponsors of the movement—Edwin J. Paxton, newspaper publisher; W. F. Bradshaw, banker; Con W. Craig, secretary of the Paducah Board of Trade; W. E. Cochran, Charles Weille and H. C. Rhodes, merchants—brought W. W. Thomas, nurseryman, from Anna, Illinois, to talk to the farmers on strawberry growing. Dr. Fred Mutchler, director of agricultural extension of the State College of Agriculture, Lexington, Ky., gave assistance in the project. The association was incorporated by the organization backers.

Next, the farmers interested were taken on an inspection tour to the vicinity of Anna, Ill., where production of straw-

berries and other fruits and co-operative handling of the fruit yields had been successfully established. The methods of production and co-operative selling as practiced in that section were carefully studied. The Paducah Board of Trade paid the expenses of the trip, which amounted to approximately \$100.

Stimulating interest was a long and strenuous effort. Community meetings were held in the schools and churches in all parts of the county, and they were stiff and cold affairs on some occasions. Sometimes there would not be a handful of people present and enthusiasm lagged. For a time it appeared that the talks fell on deaf ears. It looked as if McCracken county did not care anything about raising strawberries and co-operative marketing of the crop impressed the farmers as a pleasant and harmless fairytale for community speakers to discuss. They were fearful the berries could not be produced in large quantities and find a market; and co-operative marketing was untried in this section.

That was only 15 years ago. How different is the attitude today when 2285 growers are members of the association, with the yield from 4700 acres pledged for co-operative shipment and when the McCracken berries, shipped under the name of the "Dixie Brand" Aromas, have created a market demand and are recognized for high quality and condition in the North and East. They have commanded the highest prices on the market each year since the association was formed.

Although interest was casual at the outset, the farmers who made the inspection trip to Illinois came home fired by new zeal and as a result a total of twenty-nine and a half acres of strawberries were planted. That was in 1913. The yield was signed for shipment through the association channel and the Aroma was selected as the standard shipping berry. The first co-operative shipment out of Paducah, one carload, was made in May, 1914. Shipments increased each year with two carloads in 1915 and three in 1916. There was a big jump to 20 carloads in 1917 and to 60 carloads in 1918. The next year there was a slump, shipments dropped back to 30 carloads. That was because tobacco prices went high; the farmers raised tobacco and not so many strawberries. But strawberries came back, and membership and acreage and income have been on a steady increase ever since. The peak was reached in 1927.

There was a 1000 per cent increase in five years. In 1922 there were 198 members who shipped 39 carloads and received \$52,242; in 1923, 397 members shipped 55 carloads and received \$65,774; in 1924, 492 growers shipped 78 carloads and received \$146,000; in 1925, 601 growers shipped 121 carloads and received \$256,000; and in 1926, 1020 growers shipped 217 carloads and received \$401,000. Last year, 2040 growers shipped 361 carloads and received \$570,000. The total membership of the association this year is 2285 with an acreage of 4700.

Each crate of berries, indeed each box shipped out, bears the designation: "Dixie Brand Aroma, McCracken County Growers' Association, Paducah, Kentucky." The fruit is sent north, south and east and into Canada. Every year since its organization, the association has sold every crate of berries its members produced.

Excellent shipping facilities have been provided. A platform was built for loading the crates into express refrigerator cars. The berries are picked in the morning, hauled to the

station platform in community trucks or by the individual growers, examined rigidly by association inspectors, loaded in the cars during the afternoon and the cars set rolling at night. A busy scene is presented at the height of the season. Loaded trucks are brought into Paducah from all counties of the district embraced in the association. The deliveries became so heavy in recent seasons that designation of shipping stations at Kevil in Ballard county and at Benton in Marshall county became necessary. The principal handling is at Paducah, however. Hundreds of trucks line up at the platform and the loading of the berry train continues far into the night. The record loading for one day was forty cars, achieved last season.

The growers are peculiarly fortunate in being able to obtain their crates and boxes from a local manufacturing concern at Paducah; this obviates the danger of possible loss from supplies left on hand should the crop be damaged. Shipments are "home" products in the strict sense of the word; not only the crates and boxes but even the labels are manufactured in Paducah.

The importance of quality and pack are emphasized relentlessly, and it is due to close adherence to these demands that the McCracken County Growers' Association has established its reputation for handling high grade, good-conditioned fruit, commanding top price among competitive agencies.

A strawberry show is held annually.

## Agricultural Progress in Eastern Carolina Based on Diversified Crops and Livestock.

By F. H. JETER, Agricultural Editor, North Carolina State College of Agriculture and Engineering.

One who travels through southeastern North Carolina cannot fail to get an idea that the agriculture of this section is rapidly improving. There are many evidences of modern farming, much interest in better balanced systems of agriculture and a decided trend towards hay crops, pastures, poultry, livestock, dairying and other diversified interests.

No one county is a better example of this trend than Robeson. "We have shipped four cars of shelled corn from one section of this county this spring," says J. A. Sharpe, editor of the Robesonian and a man who keeps in close touch with the agricultural interests of his section. "Nor did the men making these shipments deprive themselves of any corn needed later. I am informed by one of the largest supply merchants in the Pembroke section of our county that the farmers have for two years raised all the corn and meat that they need. Little of these two standard food products is being shipped in." Mr. Sharpe also states that his county is taking much interest in dairying. One of the most successful sales of pure bred livestock ever held east of the Piedmont region was one put on in Robeson county recently when 14 registered Jersey bulls were bought by men who intend to go into the dairy business. Robeson has broken the record for poultry shipments this season and is now the leading county in point of tonnage exported. Orders were placed with County Agent O. O. Dukes for 18 additional dairy cows recently.

The county is turning to truck crops, states Mr. Sharpe. About 40 cars of snap beans were shipped last year and the amount will be increased this year according to records in the county agent's office.

The new methods of farming in Columbus and Brunswick counties have already attracted state-wide notice. The farmers of both counties have about abandoned the growing of cotton and are adding new crops. The strawberry crop is still the great wealth producer of Columbus. The season was delayed this year because the late cold snaps destroyed many early blooms. But the outlook for the crop is fair. Three weeks before the season opened, George Inman of Whiteville, route one, sold a crate of 32 quarts of Klondike berries for \$64. They were bought by R. V. Clark of Vineland, New Jersey. Strawberry time is "money time" in Columbus and this year between 35 and 40 buyers will be on the Chadbourn market.

But Columbus is also growing other things. The shipments of cured sweet potatoes were unusually heavy this spring and there are a number of farmers who have grown and fed hogs for the early market. Pastures are increasing and

along with these pastures, herds of beef cattle and dairy animals are being added.

Brunswick, with one of the largest land areas in North Carolina, is a new frontier. Nearly broke a few years ago, farmers of this county are rapidly becoming among the most prosperous of the State. They are solidly behind the plans of J. E. Dodson, county agent, to make the trucking and livestock industries an important part of the rural life. There are ten locals of the Co-operative Truck Growers Association with an average of 25 to 50 leading farmers in each local. These are selling the truck and vegetable crops of their members through the Federated Fruit and Vegetable Growers of New York City.

Last year over the little Wilmington, Brunswick and Southern Railroad out of Southport, the growers shipped 15 cars of snap beans, 16 cars of cucumbers, eight cars of Irish potatoes and 32 cars of sweet potatoes. Other carlot shipments went out over the road of the Jackson Brothers Lumber Company into Whiteville. According to H. M. Shannon, of Southport, each of the 15 cars of snap beans held 600 of the five-peck hampers on which the growers realized \$4.50 per hamper. The cucumbers were grown under contract and would average the grower about 50 cents net profit on each hamper with 600 hampers in each of the 16 cars.

The cured sweets were sold for about 90 cents a bushel and those from the earthen banks for about 50 cents, net. When it is figured that each of the 32 cars shipped, held an average of 600 bushels, it will be seen that the growers secured quite a nice profit from this source. Between 10 and 12 cars were shipped over the lumber road to Whiteville.

Mr. Shannon states that there are around 3000 acres of truck crops now grown in the county and between 4000 and 5000 acres in sweet potatoes. Some rice is being attempted and figs give promise of being a profitable venture. There are now thousands of acres planted to permanent pasture; the dairy industry is improving rapidly; farmers are buying pure bred bulls and hog growing is becoming an important industry. Yet, Mr. Shannon estimates that not over eight per cent of the land area is in cultivation and the population of the county is not over 17,000. He gives much credit to Mr. Dodson for the new interest in improved agriculture, stating that the farmers are behind him in all plans and are following the methods being outlined by demonstration.

Pender county is another section where a new agriculture can be found. "There were 127 farmers who fed and shipped hogs in this county last year," says W. H. Robbins, county agent. "We shipped about half a million pounds live weight for which we received \$60,000. About one-third of this was net profit to the growers above all costs of feed, shipping and



commission charges. Our yield of corn has been increased about 10 bushels per acre because of the interest in growing more corn as a hog feed and the acreage to the crop has also been increased."

The Cape Fear Cattle and Milk Growers Association of Pender County is a new organization that is doing good work. The association was started in May, 1925, when the first truck moved 85 gallons a day. Now the 25 members are shipping 800 gallons a day. The producers get about 33 cents a gallon net. Last year, the association shipped \$87,000 worth of milk. The members own some 450 cows of which many are pure bred with a sprinkling of grade Jersey, Guernsey and Holstein.

Mr. Robbins states the farmers have increased their pasture plantings about 500 acres a year for the 3½ years he has been farm agent in the county. The seventh herd improvement or cow-testing association of North Carolina was organized in the county a few weeks ago with 20 members. There are also 400 Four-H club members in seven organized clubs. "The slogan of our work in this county is 'Boys and Girls, Hogs, Chickens and Cows,'" says Mr. Robbins, and being red-headed himself, he states that the hogs must be reds and also the chickens.

Duplin county is another of the eastern group where continued progress is noted. L. L. McLendon, the farm agent, is proud of the improved quality of tobacco being grown by his best farmers. As a result of past demonstrations, the farmers have united on one fertilizer mixture for their crop. This has an 8-3-4 analysis with all the potash coming from pure sulphate of potash and the ammonia from one-third each, nitrate of soda, fish scrap and dried blood. When this formula was advocated by Mr. McLendon some three years ago, only 300 tons were ordered. Last year, 2,300 tons were used and there has been a noticeable improvement in the quality of leaf produced. The farmers have been buying automobiles and improving their homes because of the extra profit received, he states. They are using much dolomitic limestone under their tobacco along with the better fertilizer. But tobacco is only one crop. Last year 200 growers shipped 41 cars of hogs for which they received about \$65,000. These shipments grew out of demonstrations placed previously. Sheep growing is being increased, as are pastures. Grass and sheep do well while the owners are busy with their tobacco and truck crops and Mr. McLendon is pushing this plan to help balance the farm work.

"There is more meat in the smokehouses of Duplin county than ever before since I have been in the county," says Mr. McLendon. "This is a general condition over the county. One man told me recently that he would not need to kill another hog for three years and would still have plenty of ham and bacon to last him."

Over in Lenoir county, poultry and hog shipments have gone forward this spring to the value of around \$15,000 in cash and additional hogs were shipped after these figures were secured. The hog-growing industry of the county has grown each year. In 1926 five cars valued at a little over \$8000 were shipped. Last year, nearly \$37,000 worth of animals were shipped or sold to the local packing plant. Dairying is also on the increase. There are nine men with about 470 cows who are selling whole milk to the local retail trade and nine other dairymen who are selling sweet cream to a local ice-cream plant. Improvement of the tobacco crop, the general use of dolomitic limestone, increase in hay crops and of pastures and a better understanding of fertilizer needs are some of the noticeable signs of progress in farming that the observer can see in this county. C. M. Brickhouse, county agent, is working with the farmers without noticeable noise, but he is finding a remarkable response and a gradual improvement in plans and methods.

Hog feeding and management is also an important farm

project in Jones county. J. T. Monroe, the farm agent, has only been in this county since late in 1925, but in 1926 he was instrumental in helping the farmers sell nearly \$11,000 worth of hogs fed according to the Shay method. Last year this amount jumped to about \$39,000 for the season. Only seven cars have been shipped so far this year due to the low price. But Mr. Monroe finds a great interest manifested in sheep growing. Five new farm flocks have been added recently. Three large herds of beef cattle have also been started and there is much interest in poultry growing.

Throughout this whole territory of eastern Carolina there is an awakening to the value of pastures, poultry, hogs and other livestock. Craven and Beaufort counties have become a great hog growing center. Now, there is more interest in truck crops. The farmers of Wayne county are adopting new methods in growing cotton and are improving their fertilizer practices as well as their varieties. Wayne is noted for its community development. A. K. Robertson, the farm agent, says there are now 12 communities which hold regular meetings twice each month and in March 30,000 persons attended these meetings. Recently when a party of prize winning community leaders from Mississippi came through the State, they especially requested that they be sent to Wayne.

### \$500,000 Expenditure at Government Base.

The Third Mississippi River Commission, Vicksburg, Miss., Captain Edw. H. Dignowity, of the Corps of Engineers of the War Department, military assistant, will expend more than \$500,000 for a new plant and general repairs to the existing plant at the Government Base at Vicksburg. Contract has been awarded at approximately \$55,000 to the Dubuque Boat and Boiler Company, Dubuque, Iowa, for steel mooring barges, while standard wood steel barges to cost about \$113,000, will be built at the U. S. Engineer Shops at Vicksburg. Steel gravel barges to cost about \$44,000 will be awarded through the First and Second Mississippi River districts, Memphis, Tenn., and plans and specifications are being prepared for the following: Floating cement mixing plant to cost \$75,000; connecting mat-laying plant for concrete mats, \$50,000; motor tender boat, \$15,000; gasoline launches, \$15,000, and quarterboats, \$105,000. In addition to the new plant, about \$50,000 will be expended for repairs to the existing plant.

### Contracts for \$300,000 Hotel in Texas.

Childress, Tex.—General contract was recently awarded by the Security Investment Company to R. W. Underhill Construction Company, Wichita, Kan., for erecting a 5-story hotel here to cost more than \$300,000, including \$40,000 for furnishings and equipment. Wyatt C. Hedrick, Inc., Fort Worth, is the architect. In addition to the general contract, other awards have been made as follows:

**Electrical work**—Broome Electric Company, Amarillo, Tex.  
**Elevators**—Dallas branch of Otis Elevator Company, New York.  
**Metal forms**—Dallas branch of Berger Manufacturing Company, Canton, Ohio.  
**Plumbing**—J. C. Korolth Plumbing Company, Sherman, Tex.  
**Reinforcing steel**—Sheffield Steel Company, Kansas City, Mo.  
**Tile and marble**—Southland Tile and Marble Company, Fort Worth.

### Phillips University Has \$500,000 Building Program.

Enid, Okla.—A special meeting of the board of trustees of Phillips University will be held on May 21 to hear a report of a committee outlining an expansion program for the University, including a \$500,000 building program. A chapel and gymnasium are the two main buildings to be provided. Dr. I. N. McCash is president of the University.

## Conowingo Superpower Station Now in Operation.

Project Ranks as One of Largest Hydro-Electric  
Developments in Country—Completed in Record  
Time—Ultimate Investment Over \$52,000,000.

On March 1 the Conowingo hydro-electric project of the Philadelphia Electric Company began supplying power to Philadelphia. The plant is tied-in with the Pennsylvania Power & Light Company and eventually will be tied-in with the Public Service Electric & Gas Company of New Jersey. With its initial equipment of seven 54,000 horsepower turbines designed for a head of 80-feet the plant was completed in a period of about two years. The output ultimately will be increased to 594,000 horsepower when the last of the projected generators is installed, the total investment approximating \$52,000,000.

For 15 years Baltimore has been drawing a large amount of electrical energy from a 150,000 horsepower hydro-electric station at Holtwood, Pa., on the Susquehanna. Now, Philadelphia is obtaining a still greater amount of energy from the same river through the dam and powerhouse, 14 miles down stream from the Holtwood plant and at a point two miles below the old village of Conowingo. The lake formed by the dam is approximately a mile wide and extends to the tailrace of the Holtwood plant. It covers nearly 9000

acres and contains about 20,000,000,000 cubic feet of water. The dam site, which was selected after an agreement with the Pennsylvania Water & Power Company, provided a pool elevation of 108.5 feet above mean sea level, as it was desired to locate as close to tidewater as possible in order to develop the maximum head. Hills on either side of the river form natural abutments. The impounded water covered the old highway bridge at Conowingo, so a new State highway was constructed from Darlington to Porter's Bridge, and the new bridge was built across the top of the dam, providing a bridge of reinforced concrete with the roadway, which is at an elevation of 114 feet, 20 feet wide between curbs and with a 4-foot parapet wall. This required the construction of approximately 5.5 miles of new road, 18 feet wide, and reduces the distance from Baltimore to Philadelphia about four miles.

The dam is of the gravity type, 4,650 feet long and is divided as follows: West abutment section, 95 feet; head works for the power house, providing for 11 main units and two station units, 950 feet; spillway section, 2,385 feet, and east abutment section, 1,220 feet. The crest of the dam is at elevation 86 above mean low water. The pool elevation is controlled by 50 crest gates, 40 by 22.5 feet, weighing 40

### Outstanding Features of Big Project

|  |                            |
|--|----------------------------|
| Area of water shed                           | 27,000 sq. mi.             |
| Area of reservoir                            | 9,000 acres                |
| Length of pool                               | 14 miles                   |
| Depth of pool at dam                         | 100 feet                   |
| Total water impounded                        | 20,000,000,000 cu. ft.     |
| Number of waterwheels                        | { 7 initial<br>11 ultimate |
| Capacity of each waterwheel                  | 54,000 h. p.               |
| Full load of water used per wheel per second | 6,000 cu. ft.              |
| Generation voltage                           | 13,800 volts               |
| Transmission voltage                         | 270,000 volts              |
| Total investment                             | \$52,000,000               |



AIRPLANE VIEW OF CONOWINGO POWER HOUSE AND DAM.



tons each, and three regulating gates 40 by 10 feet. The regulating gates and the crest gates are manipulated by three electrically operated traveling gantry cranes, a runway for this purpose being provided on top of the dam and powerhouse.

The powerhouse is incorporated in the dam at its western end, and is adjacent to the west abutment where the dam is keyed into the contiguous rocky hillside. The powerhouse is built to house seven main units and two station units, and will be extended ultimately to house the two station units and 11 main units. Each main unit is driven by a waterwheel capable of developing 54,000 horsepower at full gate, when working at a normal head of 89 feet and 81.8 revolutions a minute. The waterwheels are of the vertical-shaft, single runner Francis reaction type, and each drives a 40,000 kv-a. generator. Current is generated at 13,800 volts, and is transmitted to Philadelphia at 220,000 volts. The transformers, which step the generator voltage up to 220,000 volts, are located on the roof of the station with the necessary high-voltage switch gear. The initial installation includes four 80,000-kv-a. banks consisting of three single phase units. A 2500-kv-a. bank of thirteen 800/440 volt single-phase transformers affords auxiliary station service.

Early in March, 1926, the Philadelphia Electric Company, through its subsidiary the Philadelphia Electric Power Company, and the latter's Maryland subsidiary, the Susquehanna Power Company, started work on this project. Contract for the design and construction of the dam and powerhouse was let to Stone & Webster, Inc., of Boston, who in turn subcontracted the construction of the dam to the Arundel Corporation, Baltimore. The Arundel Corporation was also awarded contract for relocating the tracks of the Columbia and Port Deposit Branch of the Pennsylvania Railroad, under the supervision and after the designs of the Chief Engineer's Department of that railroad. The contracts for the design and construction of the transmission lines and for the switching station on the roof of the powerhouse were awarded to Day & Zimmermann, Inc., Philadelphia.

At the inception of the project a schedule was carefully worked out that would allow one wheel in the powerhouse to deliver power on September 1, 1928, and permit all units to be in operation by December 1, 1928, or two years and nine months after work was started. The first electric current generated, however, was put on the lines six months ahead of this schedule.

The controlling quantity in dam and powerhouse structures was in round numbers 650,000 cubic yards of concrete, of which 440,000 cubic yards was contained in the spillway and abutment section. An idea of the huge volume of material required may be gained when it is considered that 650,000 cubic yards would make a monolithic structure about 57 feet square and one mile long. The spillway and abutment sections required the excavation of 65,000 cubic yards of rock and 133,000 cubic yards of earth. A substantial portion of the rock removed was crushed and utilized as aggregate in the concrete required for the dam and powerhouse.

In revising the railroad as to alignment for 16 miles, between Port Deposit and Fishing Creek, Pa., and providing a grade for double tracking the entire length of this change, 1,490,000 cubic yards of grading was required, of which 880,000 was obtained from cuts and the remainder borrowed. In the cuts it developed that 67 per cent was solid rock. In order to complete the double-track roadbed it became necessary to operate a single track on the relocated line and abandon the old line, and this was done on October 2, 1927. This meant a total excavation and borrow of 1,109,000 cubic yards in 15 months. In addition to the excavation and embankment there are three tunnels, three arch bridges, 10 arch culverts, and a number of reinforced concrete pipe culverts. The three tunnels are in solid rock and have a total

length of 1,020 feet, representing 26,000 cubic yards of excavation. The arch bridges are solid barrel, earth filled, multi-span structures of reinforced concrete. These bridges carry the road-bed over streams at Peach Bottom, Pa., and Conowingo and Octoraro, Md., and have three, five and six 70-foot spans, respectively. The bridges contain 31,000 cubic yards of concrete.

The specifications for the track called for 130-pound rail and in general creosoted ties, with about two miles of track laid with reinforced concrete ties. The ballast used was cinders and slag. On the creosoted ties surfacing was done with a track shifting machine and hand tamping, but tamping under the concrete ties was done with air tools.

An idea of the immense size of the project may be better gained by comparing it with some other widely known plants. The Niagara Falls Power Company plant at Niagara Falls, N. Y., has an installed horsepower of 452,000. The initial installation at Wilson Dam, Muscle Shoals, Ala., is 260,000 horsepower. The reservoir formed by the dam will have a maximum drawdown capacity of 2,500,000,000 cubic feet. By using the generators at Conowingo only at peak-demand periods during stages of low stream flow, the plant will be able to carry the peak load in Philadelphia and replace at least 190,000 kilowatts of steam-plant capacity. On the other hand, when the flow is ample, the Conowingo station will be equal to taking over the entire base load of Philadelphia for stretches of weeks at a time, the steam plants in that city then being utilized only to help out at peak periods. Employing the generators at Conowingo in this adaptable manner, it is pointed out that the plant will conserve about 750,000 tons of coal annually.

The principal contractors on the Conowingo project are as follows:

#### MAJOR POWERHOUSE EQUIPMENT.

- 4 54,000 horsepower water wheels—Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
- 3 54,000 horsepower water wheels—William Cramp & Sons Ship and Engine Building Company (I. P. Morris Corp.), Philadelphia.
- 4 40,000 kv-a., 13,800 volt generators—General Electric Company, Schenectady, N. Y.
- 3 40,000 kv-a., 13,800 volt generators—Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa.
- 13 26,000 kv-a. transformers—General Electric Company.
- 3 833 kv-a. transformers—Westinghouse Electric and Manufacturing Company.
- Crest gates and regulating gates—Newport News Shipbuilding and Dry Dock Company, Newport News, Va.
- 5 Electric traveling cranes (two 150-ton, two 50-ton, and one 15-ton capacity)—Niles Crane Corporation, Philadelphia.
- 3 60-ton gantry cranes—Morgan Engineering Company, Alliance, Ohio.
- 1 20-ton tailrace crane—Morgan Engineering Company.
- 14 Ventilating fans for generators in electrical bay—F. F. Sturtevant Company, Boston, Mass.

#### PRINCIPAL EQUIPMENT—TRANSMISSION SYSTEM

- Transmission Towers—Blaw-Knox Company, Pittsburgh.  
 Conductors—795,000 circular mills (352 miles)—Aluminum Company of America, Pittsburgh.  
 Ground Wire—184,000 circular mills (235 miles)—Aluminum Company of America.

### Contract for \$290,000 Underpass in Houston.

Houston, Tex.—City council has awarded contract at \$290,000 to Walker & Elder, San Antonio, for the construction of the Navigation Boulevard underpass here which will run from Commerce and St. Emanuel streets, four blocks in a northeasterly direction to Navigation boulevard and Buffalo street. It will be of concrete and steel, consisting of two tubes each 21 feet wide, and one sidewalk.

### Corpus Christi Votes \$500,000 Bond Issue.

Corpus Christi, Tex.—Corpus Christi has voted \$500,000 5 per cent bonds for improvements, including fire stations, \$25,000; extension of sanitary sewers, \$15,000; extension of water mains, \$20,000; parks, \$125,000; street improvements, \$290,000; extension of storm sewers, \$15,000, and extension of the gas distribution system, \$10,000.

### Remarkable Centennial Edition Published Jointly by Two Papers of Columbus, Ga.

The two newspapers of Columbus, Ga., recently co-operated to publish a joint special edition in commemoration of the city's one hundredth anniversary. The Columbus Ledger and the Columbus Enquirer-Sun are the papers that achieved this remarkable feat of co-operation, and the paper they produced is a splendid tribute not only to the Columbus it depicts, but also to the men who compiled it.

"Columbus was located a century ago," we read, "in the full consciousness that a city at the head of navigation [on the Chattahoochee River] and at the foot of the great shoals system would be of immense strategic importance.

"Many years ago, before our present electrical developments had begun, pioneers at Columbus predicted that the falls of the river here would be turning a million spindles. That condition is true today, there being more than a million spindles operating in the Chattahoochee Valley. Columbus, with 18 textile enterprises, has more than half a million of these spindles and, therefore, ranks as the second textile city of the South. West Point, LaGrange, Hogansville, Grantville and Newnan bring the total spindleage to above a million.

"In Columbus the number of spindles has quadrupled each 25 years, a tremendous period of growth following the completion of each major electric power project. The exacting requirements of the textile industry, which has predominated as a consumer of power, has so influenced the developments of the Columbus Electric and Power Company that its power service today is notable throughout the country for the dependability and uniformity so necessary to the successful operation of textile machinery. And this very characteristic has made possible a larger and a more substantial development of the textile industry."

Columbus is often thought of as being a cotton-mill town—an impression partly justified by the fact that it is the second largest mill center in the South—and the diversity of its industrial development is likely to be overlooked. The long-established industrial tradition as well as the wide diversity of its development is well outlined in the following paragraphs from the supplement:

"The textile industry, with its payroll of nearly \$23,000,000 per year, has always been, and always will be, a big factor in Columbus, but there have been equally large and outstanding developments in the manufacture of steel, iron, wood and clay products.

"The Columbus Iron Works is one of the largest and oldest institutions in the South, having been operated by the Confederate States government as a large base for the manufacture of war munitions. It was the first to build machinery for the manufacture of artificial ice, and still is a large factor in this field. This concern is also a large manufacturer of commercial refrigerator units, and is even now entering the market with a new line of ornamental stoves and heaters. The Southern Plow Works, one of the old institutions that sells its products throughout the world, is a part of the Columbus Iron Works plant.

"The Goldens' Foundry is another one of the South's large iron works concerns manufacturing a considerable line of special textile machinery in connection with its other products. The Columbus Truck and Supply Company is also a manufacturer of textile equipment. The Pekor Iron Works has a steadily expanding business in the manufacture of steam engines, boilers and a special valve of almost universal use.

"Columbus is perhaps the largest producer of gins in the world, having two large plants manufacturing systems that are sold wherever cotton is produced. The Lummus Cotton Gin Company has a plant that covers 16 acres of ground, and this company maintains branch offices in many parts of the country. The Cen-Tennial Gin Company is a younger institution that has been experiencing a remarkable growth.

"Columbus has always been a center for lumber and building materials, and there are a number of large plants engaged in this line. The National Show Case Company is an institution of tremendous proportions, which does business in every part of the country. The Columbus Casket Com-

pany, making a beautiful line of cloth-covered burial cases, is a comparatively new institution that has been rapidly extending its trade territory in every direction.

"Columbus is also an important center for the manufacture of brick and tile, having five large plants engaged in this line. Within the last two or three years experimental work has been carried on at one of these plants in the manufacture of fine ceramics with the result that the Henrietta Pottery Works is already a considerable factor in the production of ceramics, and is today engaged in the addition of a large amount of special machinery that will materially enlarge the capacity of this business.

"An enormous quantity of fine clays has for many years been shipped from Georgia to Ohio and other Northern states for manufacture into fine pottery and ceramics. The success of the Columbus enterprise has already directed attention of the ceramic industry to the importance of manufacturing at the base of supply of raw material, and industrial men are expecting that there will soon be a considerable development along this line."

The Centennial Edition is a splendidly illustrated publication of 180 pages.

### Oklahoma Industrial Resources Discussed.

Information of great value to outsiders, as well as to residents of the State, is compactly presented in a Report on the Industrial Resources of the State of Oklahoma as prepared for United States Senator W. B. Pine by Lockwood, Greene & Co., Inc., engineers, New York City. First presenting a general discussion of the resources and prospects of Oklahoma, the report goes more into industrial progress and opportunities, discussing such subjects as "Consumers of Natural Gas," "Glass Manufacturing," "Metal-working and Metallurgical Operations," "Cotton Mills," "Garment Factories" and other industrial lines. This part closes with reference to "the benefits that might be derived from investigations to reveal the resources of the State in glass sand and coking coal."

Labor and labor regulations are the opening subject of Part II, which then goes into such topics as the power used by public utilities in the State, the cost of power and other power details; surveys of the natural resources, under the heads of Mineral, Water, Waterpower, Agricultural and Transportation.

Part III is devoted to general information—historical, geographical and topographical, climatic, financial statistics of the State Government, taxes, building permits, wealth, motor vehicle registration, educational and recreational facilities, and so on.

The book will be found of great informative value in many circles of readers. Copies can be obtained from Senator Pine, at Washington, D. C.

### Plant and Shrub Nursery Men Wanted.

The Lafayette Life Insurance Co., of Lumberton, N. C., wants to get in touch with experienced people in the ornamental plant and shrub nursery business, with the idea of converting some of their farm lands into this industry. These farms, the company says, will be sold on the easiest kind of terms to people who can undertake the development of the plant and shrub nursery line. The growing of bulbs is one of the rapidly expanding industries in different parts of this country. Eastern Carolina ought to be an especially favorable location for such an industry.

### Architect for \$1,750,000 Church and School.

Washington, D. C.—John Russell Pope, New York, has been commissioned to prepare plans and specifications for the church and school building to be erected in Washington by the Disciples of Christ, Rev. Earle Wilfley of this city, interested. Construction will be of stone, it is understood, and will cost \$1,750,000.



## New Yard and Terminal for Texas & Pacific Railway.

EXTENSIVE FACILITIES RECENTLY COMPLETED AT FORT WORTH.

The new Lancaster yard and freight terminal of the Texas and Pacific Railway at Fort Worth—named for the man who piloted that road from bankruptcy, with its stock selling for \$7 a share a few years ago, to a degree of prosperity indicated by a price of around \$130 a share without payment of a dividend—is said to be the last word in modern design and equipment of such terminals. It will be the principal terminal and shop of the company.

The locomotive repair shop and the round house contain devices only recently developed and, so far, little used elsewhere. For example, the round house equipment makes it possible to send out a locomotive on the track under a full head of steam before the oil is turned on in the fire box.

and the layout includes a track dock 10 feet wide and 400 feet long. This dock serves the store house proper as well as the 100 by 55 foot wide platforms at each end of the store house.

Most of the power used in the terminal will be purchased from a public utility company, but a small power house, built primarily to supply steam to locomotives to enable them to leave the roundhouse without waiting to get up steam by their own oil burners, will be used also to generate electricity. The power plant includes boiler room, press room, pump room and a 175-foot tapered concrete stack lined with common brick to a height of 40 feet. This stack was installed by the Rust Engineering Company, Pittsburgh, Pa.

A complete system of hard surfaced roads connects the various buildings so they may all be reached by standard



LANCASTER TERMINAL RAILWAY SHOPS AT FORT WORTH.

Other equipment includes two Whiting electrically operated drop pit tables, each of which covers three tracks, while the lead track into the erection shop is covered by both. An interesting feature of the house is an arrangement of the back wall by which, in case a pilot inadvertently runs through the wall, the frame structure of the house will not be injured.

The erection or locomotive repair shop is 347 feet long and consists of an erecting aisle 90 feet long, a heavy machine shop aisle 80 feet wide, a light machine shop aisle 70 feet wide with a mezzanine floor 20 feet wide and a yard crane runway having a span of 80 feet and a length of 700 feet. Provision is made in the design of one end of the shop for future expansion. An unusual feature of the equipment is a machine for washing dirt, grease and waste from the exterior of the locomotive. Locomotives are transferred by a 250-ton lift-over crane built up of two 125-ton trolleys. Each trolley has a 15-ton auxiliary hoist outside of the main hook.

The cranes were all specified, purchased and installed by the Austin Company, Cleveland, Ohio; the Cleveland Crane & Engineering Company, Wickliffe, Ohio, designed and built the lift-over crane of 250-ton capacity and the Harnischfeger Corporation, Milwaukee, Wis., designed and built the three 15-ton cranes, including the messenger crane.

The oil house has a basement for tanks that are filled by gravity. Pumps located on the first floor withdraw the oil as it is needed. Because of the fire risk involved in the handling and storage of paints, it was necessary to select an elevator free from fire hazard, and a Ridgway steam hydraulic type was chosen.

A two-story building 55 feet by 200 feet of modern flat slab concrete construction, will house the stores and general terminal offices. The store house is located on the first floor

motor trucks, as well as by the derrick and platform type trucks to be used in the round house for aiding in the erection of air compressor pumps, drivers, etc. It is interesting to note that hard surfaced roads without tracks for push cars are entirely superseding standard gauge tracks as a means of communication between various terminal buildings.

This terminal was designed, built and equipped throughout by the Austin Company in co-operation with the engineering staff of the Texas and Pacific Railway.

### Contract for 4500 Tons Steel for Waycross Mill.

Waycross, Ga.—The Ingalls Iron Works Company, Birmingham, has contract to furnish 4500 tons of steel for the proposed cotton mill to be erected here by interests associated with the Troy Cotton & Woolen Manufactory, Fall River, Mass. It is understood that 1500 tons of steel will be required for each unit, one unit to be erected every year for three years. In addition to the Ingalls contract, as previously announced, Walter Knapp & Company, Inc., of New York, has contract for electrical work and the H. H. Robertson Company, Pittsburgh, Pa., for roofing.

### Activity in Florida Citrus Properties.

According to The Highlander, Lake Wales, Fla., 34 citrus grove properties, worth \$580,600, were sold in that part of the ridge section since January 1, while total realty sales in that immediate district are said to approximate \$1,250,000. These figures are the result of a survey made by that paper and indicate the revival of interest in citrus properties. It is reported that while the usual price for grove properties is about \$1000 an acre, a few sales were made under this amount and one sold for as high as \$1750 per acre.

## Annual Meeting of United States Chamber of Commerce.

### EVILS OF GOVERNMENT IN BUSINESS STRONGLY STRESSED—AN URGENT APPEAL AGAINST MUSCLE SHOALS BILL.

By GEORGE GARNER.

Interchange of information, of views and opinions and suggestions, conducive to the constructive promotion of American business and industry, was in reality the underlying value of the sixteenth annual meeting of the Chamber of Commerce of the United States, in Washington, nearly all last week. Addresses there were in large number, of deep thought and by men of outstanding ability and leadership; yet, of real interest as these were, the personal contact between men representing dozens of diverse industries and coming from every corner of the country is apt to prove of more concrete value to the land than all the set speeches on the program.

To a man on the sidelines, a significant feature was an indicated lack of realization of the fact that agriculture is an "industry"; still less, a realization that it is a major industry of the world, and least of all that agriculture at the moment is more in need of practical, constructive consideration than any other American industry. Agriculture was a subject at one of five special luncheon meetings on Wednesday, at which A. J. Glover, editor of *Hoard's Dairyman*, spoke mainly on the dairy phase of agriculture, and Lloyd S. Tenny of the Department of Agriculture, whose cotton price forecasts have created a national stir, spoke on "Production for Foreign Markets"; but, the industry of agriculture had minority representation in the great throng and seemed submerged in the discussions.

The one step taken toward the reinvigoration of agriculture was in the form of a recommendation from a special committee that "for the study and analysis of the economic problems peculiar to agriculture, a Federal farm board should be created, composed of men of broad and intimate knowledge of, and contact with, the varied problems of agriculture." Sectional representation would be given on the board, which would be appointed by the President of the United States and which "should be authorized to report and make recommendations to Congress from time to time."

Aside from this, the meeting was of much present, and tremendous potential, value to the Nation. The main topics considered, may thus be epitomized from the comprehensive program:

The social and moral responsibility of business in the new economic order.

The economic effects of legislation.

The effects of destructive large-scale competition.

The changing character of trade regulation by Government.

The widening horizon of commercial organization activity.

Responsibility of national business to local community development.

The growing importance of international trade relations.

Tendencies in distribution resulting from increased productivity.

Co-operation in power production and transportation.

Production policies in agriculture.

Progressive financing and taxation.

Forecasting national needs from the consumer viewpoint.

Effects of insurance investment on business development.

Manifestly, such a number of topics of such import could not be given adequate consideration by the participants en masse, and group meetings were held by those interested in the individual subjects.

For one thing, prominent speakers emphasized the evil of

Government activity in industry and business outside the province of governmental duty. For another, they deprecated undue control or supervision of private industry by the Government. On the other hand, they urged private industry and business so to conduct their affairs that the Government would have neither reason nor excuse for intrusion of any nature—as, for instance, when Judge Edwin B. Parker recalled a fundamental policy adopted by the Chamber four years ago:

"Business should render restrictive legislation unnecessary through so conducting itself as to deserve and inspire public confidence."

Judge Parker continued, further:

"This Chamber is committed to the principle that Government should not enter the realm of business to undertake that which can be successfully performed in the public interest by private enterprise. This principle is politically and economically sound. We are here concerned in pointing out to business men everywhere that this principle is in far less danger from the propaganda of radical agitators than from the members of the business profession who are faithless to their obligations, who break down public confidence, and who provoke Government regulation."

"Congressional investigations of particular business activities are sometimes bitterly denounced. Many Congressional investigations are of the highest value to the public, including business. The demoralization to legitimate business that sometimes follows in their wake can be largely avoided by organized business doing its own investigating, and frankly and fully laying all pertinent facts pertaining to any business affected with a public interest before the tribunal of Public Opinion. A business which cannot stand this acid test is not entitled to prosper. The public, which is entitled to know the facts, will be satisfied with nothing less. Organized business should itself perform this task in its own and in the public interest. Failing to do so, Congress should and will act."

As president of the Chamber, Lewis E. Pierson, president and chairman of the board of the American Exchange Irving Trust Company, New York, in an address at the annual dinner confined himself largely to the specific subject of the annual meeting, "Team Play for Prosperity." In the course of his remarks, he said:

"Modern management stands as the representative of three separate and distinct interests. It represents capital, which supplies the plant. It represents labor, whose progress depends upon the competency and the vision of those in management. It represents the public, which uses the product, and which must rely upon industrial leadership for the maintenance of national prosperity."

"No man can move among our industrial leaders today, without finding that they are conscious of this triple responsibility. It is not the public which is working and striving for team play. It is the executive who knows the necessity for intelligent co-operation in charting his course through the complexities of modern industry. It is, therefore, with entire confidence that I submit to this gathering the belief that the time has come to make a further step in the direction of more intelligent and more intensive co-operation."

"We have all been satisfied to co-operate on affairs of immediate need. We have proved our ability to work together for the things which directly and presently affect the tides of trade. We have been able to secure common action on matters which pressed for immediate decision. Yet, before we can hope to exhaust the benefits of our new economic policy we must project our co-operation to still another level. We must find a way to co-operate on problems before they arise. We must team play for the future."

"No one can look back upon the path that we have trav-



eled without securing an abiding faith in the essential soundness of the policy that American industry has followed. It has brought us prosperity and it has brought us higher levels of living, better working conditions, and a wider distribution of the necessities and comforts of life than any nation has ever before achieved. This policy, however, was not the result of deliberate planning. It was the outgrowth of trial and error and of a gradually increasing co-operation between the factors that enter into our industrial life.

"Nothing could induce us to abandon voluntarily our trinity of high production, high earnings and high consumption, yet unless we can work out more scientific methods of co-operation and team play, we can never hope to secure the full benefits to which this productive policy entitles us."

That the problems of agriculture, as well as those of "industry," can be solved largely by "team work" was another thought advanced by Mr. Pierson, who said that "industry and agriculture" now must be considered in relationship to "the broad sweep of world conditions." On this line, he added:

"I mention agriculture not only because of the close relationship between agricultural progress and industrial prosperity, but also because the need for team play on our farms is just as great as the need for co-operation among our industries.

"Close students of our agricultural situation declare that the shortest road to farm relief is not through legislation but through improved diversification of crops. How can such diversification ever be achieved except through more effective co-operation among our farmers? What difference is there, in the last analysis, between a farmer who grows too much wheat and a manufacturer who produces too much calico?"

"The nation which has won its way to industrial leadership by the stimulation of production and which has enlisted the aid of science and invention to perfect the efficiency of its industrial processes, has a new task before it. It must prove that production is its servant and not its master. It must demonstrate that it has the will and the skill to control the machine that it has created."

In discussing the "consumer demand" phase of industry, before a group meeting on industrial problems, Donaldson Brown, vice-president of the General Motors Corporation, said, in effect, that consumption must be stimulated by the maintenance of production, which would enable workers to earn the money with which to make purchases. The essence of modern day business management, as he saw it, is in "forecasting and planning a system of control whereby production, purchases of materials and the employment of capital are co-ordinated with sales requirements."

"The American manufacturer no longer can determine his course according to his ability to purchase the necessary raw materials and the capacity of his manufacturing facilities," said Mr. Brown. "Ultimate consumer demand is the absolutely fundamental factor controlling the continued sale of any product. Industry must build up a consuming power by employing a maximum of labor, largely through increasing and diversifying production. Under such conditions, increasing efficiency in production need not cause unemployment and reduction of the buying public."

Instead of grumbling over inefficiency and waste and intrusion into extra-governmental activities by the Government, business men should exercise an active interest and influence in government, said Silas Strawn of Chicago, president of the American Bar Association, in effect.

"The greatest peril to this country is the indifference and apathy of our business men toward the problems of government, local and national," said Mr. Strawn. "Too many of our ablest men 'let George do it.' They are so occupied by their own affairs that they give little or no attention to the more vital business of Government."

Then, arguing that there are "already far too many laws and too many regulatory bodies," he said that there was a direct responsibility on American business men "to see that Congressmen give more of their effort to the observance and enforcement of the laws which we already have and to the

construction and building up, rather than to the tearing down, of our commercial, industrial and financial enterprises."

Opposition to the Government going into the fertilizer business by manufacturing that product at Muscle Shoals was expressed on behalf of the 1600 commercial organizations, representing 800,000 individuals, firms and corporations, in the National Chamber, by President Pierson in a message to the members of Congress, as follows:

"Legislation has passed the Senate and is under consideration in the House of Representatives which will place the Government definitely in the business of manufacturing and selling commercial fertilizer in competition with private industry. Examination of this legislation in regard to the Muscle Shoals power and nitrate plant projects discloses its great importance and the precedent which it will create.

"The National Chamber has an established policy which already has been declared and which has been considered by the membership to be so important that it has been reiterated. This is that the Government should scrupulously refrain from entering any phase of business which can be successfully undertaken and conducted by private enterprise.

"The National Chamber, therefore, is definitely committed by its member organizations in opposition to the provisions of the pending legislation in regard to Muscle Shoals which will inject the Government into the manufacture or sale of fertilizer from a Government controlled and operated plant. It is our earnest hope that the views of the Chamber of Commerce of the United States may be given consideration by you in connection with legislation on this subject now pending before the House."

Among the many Southern men present and prominent in the meeting were: William Candler, Atlanta, chairman of the luncheon group on "Fundamental Tendencies in Distribution"; Charles W. Lonsdale, Kansas City, Mo., chairman on "Teamwork for Greater Foreign Trade"; John G. Lonsdale, St. Louis, Mo., chairman on "Progressive Finance," and William Black, Louisville, Ky., chairman on "Progress in Industry." F. Roger Miller, Asheville, N. C., president of the National Association of Commercial Organization Secretaries, presided at that meeting, and Ed. Overholser, president of the Oklahoma City Chamber of Commerce, spoke on "United Man Power" at a general session.

The sessions were closed with the election of William Butterworth, Moline, Ill., as president, and Joseph H. Defrees of Chicago as chairman of the board of directors, while Robert P. Lamont of Chicago was elected to a vice-presidency. Mr. Butterworth is a manufacturer of farm machinery and Mr. Lamont is president of American Steel Foundries.

## New Jersey Plant Erecting Japanese Silk Mill in North Carolina.

Rocky Mount, N. C.—General contract for the first unit of a silk mill here for A. Schottland, Inc., of Paterson, N. J., has been awarded to D. J. Rose & Sons, local contractors. It will be of brick and steel construction, to contain 30,000 square feet of floor space, and is expected to be ready for occupancy by July 1. The company already has plans for future extensions, it is said, details of which will be announced later.

The first unit will contain 200 looms and auxiliary machinery for the production of Japanese silk fabrics, employing about 300 operatives. The Schottland company is a large manufacturer of Japanese broad silks, operating a mill at Nanuet, N. Y., as well as the one at Paterson. Its proposed Rocky Mount plant will be the first of its plants in the South and will be modern in all details. The city has made preliminary arrangements to extend water, gas and electric lines to the site.

J. C. Braswell and H. L. Battle, representing the Rocky Mount Chamber of Commerce and citizens of the city, were instrumental in bringing the mill here.

## GEORGIA COUNTY ASKS BIDS ON \$1,250,000 POWER DEVELOPMENT.

### Initial Construction Will Cover Two Units of Four-Unit Plant for Crisp County.

Cordele, Ga., May 9—[Special.]—The Crisp Power Commission, Cordele, Ga., J. J. Williams, chairman, will receive bids until July 10 for the construction of a dam on Flint River for the development of a power supply as provided for in an industrial program undertaken by the county about three years ago. Bids will be invited upon specifications prepared by Emmett S. Killbrew, engineer, Albany, Ga., and J. E. Sirrine & Company, Greenville, S. C., consulting engineers, which call for approximately 14,000 cubic yards of limestone excavation, 230,000 cubic yards of earth fill, 25,000 cubic yards of class A reinforced concrete, 500 tons of structural steel, 1000 tons of reinforcing steel, brick building 40 by 150 feet, 50 feet high; two 3600-horsepower vertical water wheels and generators installed complete.

The plant will be constructed on a site owned by Crisp County near Warwick in Worth and Lee counties, the bids to cover only half the units planned, as the ultimate development will involve four units with a total capacity of 14,000 horsepower. Application has been made for a license from the Federal Power Commission, Washington, and it is thought this will soon be issued, which will open the way for beginning actual construction as soon as contracts have been awarded. A bond issue of \$1,250,000 has been voted by the county for the plant and transmission lines.

### Baltimore Home Products Week.

Constructive publicity for an industrial city, rather than mere provincial "boosting," was the feature of Baltimore Products Week, observed in the city from May 7 to 12, and described by the residents in general and a great number of visitors as a tremendous success. The "week" was sponsored by the Association of Commerce, which received active co-operation from industrial establishments, retail stores, banks and other business enterprises.

A novel feature of the display in the shop windows was an interchange of articles to be shown. In the show windows of a large cigar store, for instance, was a great display of a medicinal remedy; shoes were manufactured in the windows of a women's department store; operations of a meat packing plant were shown in the windows of a furniture firm, and in a display in still another department store one learned that the glue with which every postage stamp is coated is made in Baltimore. In the windows of a large office building was displayed a local factory in which are manufactured instruments without which navigation would be retarded and trans-Atlantic flights impossible.

To citizens and visitors alike the exhibits were instructive and convincing, and the publicity given to the number and wide range of Baltimore's industries and their products was advertising of a high order.

### Burlap Substitute From Low-Grade Cotton.

Brunswick, Ga.—The Burcot Products Company, recently incorporated by Paul J. Varner, Brunswick, Frank W. Van Ness, New York, and associates, for the manufacture of a substitute for burlap from low grade cotton, has purchased six buildings from the owner of the picric acid plant here, which will meet the requirements of the Burcot company without alterations. Machinery will be installed and the plant made ready for operation in about four months. Its capacity will be 6,000,000 yards annually.

The company plans to purchase cloth from cotton mills and treat it by a patented process which is said to increase the

strength of the cloth and make it waterproof and acid-resistant, thereby producing a product which will, it is thought, be extensively used in the manufacture of fertilizer and cement bags.

### \$2,000,000 Building Completed in San Antonio.

The new Milam Building in San Antonio, Texas, erected at a cost of approximately \$2,000,000 by the Travis Investment Company, was recently completed, general contract having been executed by L. T. Wright & Company, Inc., San Antonio. Plans and specifications for the structure were prepared by George Willis and structural and mechanical engineering handled by M. L. Diver, both of San Antonio.

The building is 114 by 137 feet, 21 stories including tower, of reinforced concrete frame, with granite, brick and cast stone facing. For the first 16 stories, the structure extends



NEW 21-STORY MILAM BUILDING.

to the property lines, with the five stories of the tower forming a double set-back to the topping out of the building. The top story of the tower houses elevator machinery and a 15,000-gallon water tank, thereby eliminating a pent house and exposed tank.

Windows are of the steel casement type glazed with ¼-inch polished plate glass. Partitions are of solid metal lath and plaster 2¼ inches thick and all ceilings are of metal lath and plaster suspended from floor slabs and concealing air ducts. Offices and corridors are floored with compressed cork and are trimmed in quarter sawed white oak. The basement houses mechanical equipment and a large cafeteria.

Four high-speed elevators serve the building and an air-conditioning plant has been installed. The major portion of this plant is in the basement, with distributing units on each alternate floor above. It is said to supply an abundance of fresh air purified by washing and filtering and maintained at the proper temperature and humidity throughout the year. Boilers for heating the air are fired by gas or oil and water used in refrigeration is obtained from artesian wells on the site. The system eliminates the necessity of exposed radiators, ceiling and desk fans, while the closed-window feature keeps out wind, street noises and dust.



# \$300,000,000 Highway Bond Issue Proposed for Texas.

STATE HIGHWAY CHAIRMAN SUGGESTS PLAN TO COMPLETE STATE SYSTEM IN SHORT PERIOD AND TO SPEED BUILDING OF COUNTY LATERALS.

[Special Correspondence Manufacturers Record.]

Austin, Tex., May 12.

Issuance of \$300,000,000 to \$350,000,000 30-year State bonds for the construction and improvement of highways over a period of about 12 years is advocated in a campaign being vigorously waged by R. S. Sterling, chairman of the State Highway Commission. The plan is designed to provide a complete system of State roads in a comparatively short period of time instead of the work being carried on for nearly half a century, as would be necessary under the present method of financing. The proceeds from the proposed bond issue would be expended at the rate of \$50,000,000 the first year, \$40,000,000 the second year, \$30,000,000 the third year and \$20,000,000 each year thereafter through the year 1940. The money necessary to pay the interest on the bonds and to retire them would be raised by means of the gas tax, the general plan calling for the utilization of as much of the money annually on highway improvements as can be spent efficiently and economically and to reimburse all the counties for money they have spent on State roads, thereby enabling them to build lateral roads that it would otherwise be practically impossible to build because of financial problems.

It is said that the bond issue would finance a program which would put all the more important highways in good condition in five or six years, and continue the process of perfecting the State system with speed and efficiency.

**To Provide Roads for Present Generation.** "There is no other way to get the highways of this vast State improved and linked up into a connected, correlated system in time for this generation to enjoy them, than a method whereby enough funds can be raised to do the work rapidly and connectedly," declares Mr. Sterling, who bases his conclusions on an intensive study of the entire situation initiated more than a year ago when he was named chairman of the State Highway Commission. He points out that it will require 30 to 40 years to complete the present State system comprising about 20,000 miles, to say nothing of the big additional mileage necessary to keep pace with the State's growth. Under the present system the commission must distribute its aid only to those counties that offer their part of the financing, thus making it impossible to close the gaps and link up even all of the more important routes, for some of the counties cannot or will not vote bonds to pay for their share of the work.

**Poor Counties Suffer Under Present Finance Plan.** The present system is unfair to the poor counties, Mr. Sterling says, because it permits the richer counties to get more than their just share of the State and Federal aid, and it also takes from the counties money which should rightly go toward building their local and lateral roads. "Coming generations will reap the same benefits from the highways that we will enjoy," Mr. Sterling points out, "so it is only fair that the future citizenship of Texas pay their part of the cost, and at that, they will get a better bargain than we, as we are building roads that will undoubtedly last 50 years or more. At all events this plan would place no added tax burden upon them. Indeed, the tremendous advantages of having good roads as quickly as possible will soon pay for them. Lack of good roads has been the greatest deterrent to settlement in Texas during the last decade, and a particular drawback to our farmers in marketing their products.

"But for this great handicap, Texas might now be enjoying

the same phenomenal growth which good roads made possible in California. Smooth, connected highways will bring home-seekers, settlers, industry and trade to Texas. Those incoming forces will not only contribute a large share of the taxes to pay for the highways but they will bring wealth that will soon more than pay for them."

Practically all the details of the proposed plan, which necessitates a constitutional amendment before a State-wide bond issue can be effected, have been worked out by Mr. Sterling and are summarized briefly as follows:

**Counties to Get Funds for Lateral Roads.** Vote a bond issue of \$300,000,000 to \$350,000,000 on condition that the counties be reimbursed for money expended on State highways since the organization of the State Highway Department, the amount to be proportionate to the appraised value of the roads at the time the new program goes into operation. The reimbursements are to be paid in annual installments and the money is to be used only for improving lateral roads. The total amount of money contributed by counties thus far to State road building is estimated at \$50,000,000. By paying this money back to the counties over a period of years sufficient funds will be available to carry on a big program of primary highway construction, the speed with which it could be pushed to be limited only by the amount of materials available in the State to prevent a scarcity and higher prices. The competition the work will attract will insure the lowest possible costs if a premium is not placed upon materials. About \$40,000,000 to \$50,000,000 annually could be expended initially in addition to cost of maintenance and funds received as Federal aid.

**No Increase in Gas Tax Necessary for Financing Program.** It is to be considered that as the mileage ratio of hard-surfaced roads is increased, the cost of maintaining the State system of highways is decreased by inverse ratio. In other words, while a gravel road requires expensive maintenance, sometimes amounting to rebuilding, the road requires very little maintenance after it is paved. Hence, the sooner a road is paved, the less will be its cost in the long run. And therefore the paving of 10,000 miles of roads at once should save the State more money than the interest on the State-wide bond issue will amount to by the time it is paid out.

An even lesser tax than the three-cent rate, which now provides about \$12,000,000 current highway revenues a year, would take care of a \$300,000,000 30-year bond issue, taking into consideration the rapid increase in gasoline consumption and the ever greater increase to result from the multiplied traffic which good roads would bring. It would call for no increase in the ad valorem tax, but rather, in effect, would tend to lower the ad valorem, by allotting the counties this rebate money with which to build lateral roads.

There are many details, provisions, stipulations, regulations and safeguards that must be determined and presented definitely in order to put the program into effect, but they are all incidental and there is nothing in the plan that could not be worked out to the satisfaction of all Texas.

**Sees Cure for Ills of Present Highway System.** "This program offers the salvation of the Texas highway situation," concludes Mr. Sterling. "It means the building of roads through all counties where they are needed, not

through just those that happen to be wealthy, and at the same time giving back the money the counties have spent on State roads, so they can improve their local roads. It means building the Texas highway system as a unified, connected whole, not as a patch-work, crazy-quilt. And it means building them, not over the interminable span of time, but now, in the next few years, when the hour of Texas' destiny is striking, when good roads are the deciding factor in the future of the State."

### **\$1,000,000 COLD STORAGE PLANT LET TO CONTRACT.**

#### **Baltimore Building Will Contain 1,330,000 Cubic Feet of Space—Latest Equipment to Be Installed.**

General contract for the erection of a cold storage warehouse for C. Hoffberger & Company, Baltimore, estimated to represent when completed an investment of about \$1,000,000, has been awarded to the M. A. Long Company, Baltimore, who also has contract for a 3-story fireproof office building. Other contracts include the following:

**Cork**—United Cork Companies, Lyndhurst, N. J.  
**Induction Motors**—Burke Electric Company, Allentown, Pa.  
**Synchronous Motors**—Electric Machine Co., Minneapolis, Minn.  
**Refrigerating Machinery**—York Manufacturing Company, York, Pa.

The building will be 11 stories and basement, 140 by 114.6 feet, irregular in shape, to contain 150,000 square feet of floor space and 1,330,000 cubic feet of storage. Space will be divided into two freezer floors, six cooler floors, two dry storage floors, one shipping floor and machinery room in the basement. The structure will be of reinforced concrete flat slab frame, with the envelope type of cork insulation, brick exterior supported on a structural steel skeleton carried independently of the interior concrete frame and built-up slag roof. It will be equipped with a structural steel stairway enclosed in a brick fire tower and rolling steel shipping doors. Storage rooms will be served by four elevators, for which contract will be awarded by the general contractor. These will have a speed of 250 feet per minute and will be equipped with a micro self-levelling device. In connection with a sprinkler system, for which contract is yet to be awarded, there will be a 30,000-gallon gravity tank on the roof and a 750-gallon-per-minute auxiliary pump in the basement. John H. Wickersham of Lancaster, Pa., is the engineer.

### **Railroad Reduces Round-Trip Fares in Effort to Regain Passenger Business.**

Norfolk, Va.—Reductions in round trip passenger fares to determine "whether travelers really prefer bus to train travel, or are using it because of cheapness," have been announced by the Norfolk Southern Railroad Co. "Present bus lines intersect our route all the way between Norfolk and Edenton, and thus will furnish us with admirable material for study," said J. F. Dalton, general passenger agent.

The reductions announced will make round-trip fares almost as cheap as present one-way tickets, but will not apply to one-way travel. The railroad seeks to recover some of the 40 to 50 per cent of passenger traffic lost to bus lines since the hard surfacing of roads through the company's territory in the past few years.

### **Production of Potash in 1927.**

Potash produced in the United States in 1927 amounted to 76,819 short tons of potassium salts containing 43,510 short tons of potash ( $K_2O$ ), according to the Bureau of Mines. Sales by producers amounted to 94,722 tons of potassium salts containing 49,500 tons of  $K_2O$ . The potash materials of domestic origin, sold by producers in 1927, were valued at \$2,448,146 f. o. b. plants. About 7250 tons of potassium salts with an available content of 2500 tons of  $K_2O$ , remained in producers' stocks December 31, 1927. The output increased 66 per cent in gross weight with an increase of 86 per cent of  $K_2O$  content. The sales of salts increased 84 per cent with an increase of 98 per cent in  $K_2O$  content. The total value of the sales increased 126 per cent. Stocks remaining in the hands of producers at the end of 1927 were 72 per cent less than at the

end of 1926. The production was chiefly from natural brines in California and distillery residue from molasses in Maryland. Small amounts were also obtained from steel plant dust in Pennsylvania, Steffen's water in Indiana, and glauconite in Delaware.

The potassium salts imported for consumption into the United States in 1927, according to the Bureau of Foreign and Domestic Commerce, amounted to 730,597 short tons with a  $K_2O$  content of 224,973 short tons. This represents a decrease of 19 per cent in gross weight and 16 per cent in  $K_2O$  content from the imports for 1926. The total value of the imports was \$18,369,805, which was less than one per cent below the value given for the 1926 imports. The potassium salts imported chiefly for fertilizer amounted to 687,349 short tons ( $K_2O$  content 205,818 tons), valued at \$13,178,610, a decrease of 20 per cent in total quantity, of 16 per cent in  $K_2O$  content, and 3 per cent in value.

The potassium salts imported for the chemical industry amounted to 43,248 tons ( $K_2O$  content 19,155 tons) valued at \$5,191,195, a decrease of 10 per cent in total quantity, 7 per cent in  $K_2O$  content, and an increase of 8 per cent in value.

### **Plans for Tulsa's \$3,000,000 Union Station.**

Outlining the present status of plans for the erection of a \$3,000,000 union station in Tulsa, Okla., William Holden, general secretary of the Tulsa Chamber of Commerce, advises that the railroads and city have reached an agreement in regard to the separation of grades on four main streets, and the construction of a passenger station by the St. Louis-San Francisco Railway, which will be used by the Atchison, Topeka and Santa Fe Railway and the Missouri, Kansas and Texas Railway.

The railroads are now working out detailed plans, although it is understood that contracts have not yet been made for engineering or architectural service. Preliminary plans for grade separations have been prepared by Harrington, Howard & Ash, consulting engineers, of Kansas City, Mo., and V. H. Cochrane, associate engineer of Tulsa, while preliminary plans for the station have been made by McKecknie & Trask, of Kansas City. The general lay-out and terminal plans are being handled by the engineering department of the St. Louis-San Francisco Railway.

As previously noted, Tulsa voted \$1,250,000 to pay the city's share of the cost of elevating streets and for property damages in connection with the grade separations, the railroads to bear a proper proportion of the cost of viaducts; pay for the depression of their tracks; build the station with proper facilities for mail and baggage, and build a large parking space over the tracks around the station for automobiles. About one-half of the city block in front of the station will be used as a park. The Union Station Committee of the Chamber of Commerce conducted negotiations with the railroads and handled details of the agreement with the city and for the bond election.

### **\$300,000 Addition for Hosiery Mill.**

Charlotte, N. C.—The Hudson Silk Hosiery Company, Inc., manufacturers of ladies' full fashioned silk hose here, has been granted a license by the Gotham Silk Hosiery Company, Inc., New York, to manufacture pointed heel stockings, patent on which is owned by the latter company. The Hudson company has plans under way for doubling its capacity and with this in view will build a new factory and equip it with 24 machines, at an expenditure of \$300,000.

Kellar & Goldsmith, Washington, D. C., have plans by George T. Santmyers, Washington, for a \$200,000 five-story apartment building in that city.



# Industrial Development Essential to Agricultural Prosperity.

[Special Correspondence Manufacturers Record.]

Clarksdale, Miss., May 10.

Better days for Southern agriculture, industry and education were seen by outstanding men of the South and the nation, addressing the Delta Economic Conference at its three-day session here under the auspices of the Mississippi State Board of Development. Industry has its eyes on the South, the Conference was told by Dr. James S. Thomas, of the University of Alabama, a nationally famous economist, and by Dewitt Carter of Caldwell & Co., Nashville, Tenn.

"Industrial development is needed," Dr. Thomas assured the delegates, numbering some 200, "to make the most of the South's vast agricultural possibilities." He pointed out that Mississippi's ratio of 88 rural workers to 12 city dwellers was not wholesome for agriculture, and went on to show how Southern prosperity is to be developed by the coming in of more industries that give the South "more complete lines of merchandise."

"In Ohio," he said, "with considerably less area than Alabama, I can go and buy everything that will be needed in Mississippi for the next 50 years. That State has a balanced economic program such as the Southern States are attracting through favorable conditions." He said the decentralization of industry and the shift to the South is rapidly under way.

A spirited plea to promote and exploit the vast resources of the Mississippi Delta was voiced by Joe W. George, legislator from Greenwood, who pointed out that the apparent settling of the flood control issue means untold development for this area, with great increases in land values.

Delta dairying opportunities are unexcelled anywhere in

the country, stated John H. Kraft, vice-president of the Kraft Phenix Cheese Company, Chicago, whose company has built five plants in Mississippi and also plants from Texas to Virginia. Mr. Kraft said he was confident of the "triumph of Southern dairying" and urged the turning away from one crop farming.

But Mississippi is not a one-crop State, according to W. E. Ayres, director of the Stoneville experiment station, and added that less than 50 per cent of the State's field acreage is in cotton, with corn, oats and hay taking more than 50 per cent of the field acreage. The Delta, however, grows more than 50 per cent cotton, he admitted.

Cotton is a good foundation for constructive development with the growth of dairying, diversification and general livestock, according to H. J. Schwietert, general development agent for the Illinois Central Railroad. He stated that revenues to his railroad from dairying had grown many thousands of dollars in recent years, from the progress of dairying in Mississippi alone.

Dr. Elwood Mead, commissioner of the bureau of reclamation, United States Department of the Interior, expressed great confidence in the future of the Delta with adequate flood protection, and explained the national reclamation program—to include seven Southern States—drawn up by himself; L. J. Folse, general manager of the Mississippi State Board of Development, and other members of the associated reclamation committees.

L. O. Crosby, president of the board of development, addressed the conference, as did also a number of other leading Mississippi development officials.

## \$407,000 Railroad Bridge Contract Awarded.

The Missouri-Pacific Railroad Company, E. A. Hadley, chief engineer, St. Louis, has awarded contract at \$407,000 to the American Bridge Company, New York and Chicago, for constructing a bridge across the Arkansas River at Little Rock, the contract including steel fabrication, piers, and installation. The structure will be 1024 feet long, to include four main river spans, with two approach spans, one of which will be 116 feet and the other 100 feet long, and approximately 48 feet of trestle. It will rest upon a series of concrete piers, which will be placed by the use of pneumatic air caissons, 90 feet in height from grade level, setting about 41 feet below low water. The bridge will also have one lift span to comply with navigation requirements, plans for which have already been approved by the War Department.

## Miami Beach Building Activity Increasing.

Miami Beach, Fla.—A record in building permits was made here in April, with a total of \$404,250, of which \$290,000 is for the construction of 12 residences. The total is the highest of steadily rising totals for the last eight months. Since January permits have totaled \$1,276,600, compared with \$408,655 for the corresponding period last year.

## Dairy Statistics Up to Date.

A revised edition of its "Handbook of Dairy Statistics" has been published by the United States Department of Agriculture. It contains statistics from 1850 to date on production of butter, cheese, milk and other dairy products; trade movement, prices, consumption, numbers of dairy ani-

mals and other data for the industry in the United States and other countries. Copies may be obtained from the Bureau of Agricultural Economics, Department of Agriculture, Washington.

## Pennsylvania Railroad Goes Forward With Plans for \$22,500,000 Baltimore Projects.

The Pennsylvania Railroad has submitted to city officials of Baltimore a tentative ordinance which embodies in a general way the plans of the railroad for carrying out its improvement program in Baltimore, estimated to cost \$22,500,000. According to the company's proposals, as presented by E. B. Temple of Philadelphia, chief engineer of the Eastern Division, new passenger, freight and express terminals will be erected in the Calvert Station area, as a part of the program, construction to begin by early summer and to be completed within five years. The company owns all property on the east side of Calvert street, between Bath and Madison streets, with the exception of two small lots, and plans to use it all in its Calvert Station plans. The work will necessitate the relocation of certain streets and will include several freight warehouses, and extra facilities for the American Railway Express, in addition to a new passenger station.

The plans also provide for an electrification system which may be tied up with the proposed electrification of the company's railway system between New York and Washington. A new tunnel, new lines, reconstruction of an old tunnel, electrification of the main lines from Guilford avenue to the northeast city limits, changes in the Union station yards, and elimination of grade crossings are proposed.

## \$5,200,000 POWER DEVELOPMENT PLANNED FOR HOLSTON RIVER.

### Tennessee Eastern Power Company Would Produce 48,000 Horsepower.

Kingsport, Tenn.—Application has been made by the Tennessee Eastern Power Company to the State Railroad and Public Utilities Commission, Nashville, for authority to build a \$5,200,000 dam and power plant on the Holston River. The development would create a reservoir covering more than 2500 acres in Sullivan and Washington counties, it is said, extending about 8 miles up the Holston and 4 miles up the Watauga River.

The dam would be constructed on the south fork of the Holston about 8 miles below the junction of the Holston and Watauga rivers, and would range in height from 100 to 110 feet, according to estimates, and would be capable of producing 48,000 horsepower. Construction would be started within 18 months and the project completed within three years. The Tennessee Eastern Power Company has been organized with 90,000 shares of common stock without nominal par value and is controlled by Henry L. Doherty & Company, New York. Its officers include W. A. Jones, president; R. E. Durger, vice-president; L. F. Musil, treasurer, all of New York, and A. T. Baldwin, secretary, Boston, Mass.

### Bankers Warn Against Speculation.

Emphatic warning against the prevailing riot of speculation and equally emphatic opposition to operation of Muscle Shoals by the Federal Government were conspicuous features of the resolutions adopted by the North Carolina Bankers Association at its meeting at Pinehurst, N. C. The resolutions also approved the law to put the liquidation of closed banks in the hands of the banking department of the Corporation Commission, and felicitated that department on its work.

Speculation was declared "to be rife throughout the country and the contagion of it is affecting people of both sexes, who, because of their unfamiliarity with the ventures, must suffer heavy losses."

The plan for Government operation of Muscle Shoals was described as "unwise, unfair and un-American," and designed "to put the Government into the manufacture and sale, at retail and for cost, of fertilizers in direct competition with its own citizens."

W. G. Gaither of Elizabeth City was advanced from first vice-president to president, John W. Simpson of Greensboro to first vice-president and W. E. Stroud of Goldsboro to second vice-president, Robert N. Hanes of Winston-Salem being elected third vice-president. H. G. Cramer of Elizabeth City was chosen as treasurer.

### Rank of States in Mineral Production—South Produces One-Third of Country's Output.

Pennsylvania, with its great coal industry, continues to lead all the states in the production of minerals, according to the Bureau of Mines. Cement, clay products and natural gas also contributed heavily to Pennsylvania's mineral production valued at \$1,055,766,000 in 1926. Petroleum is mainly responsible for the attainment of second, third and fourth places respectively by Oklahoma, California and Texas. Oklahoma's production of \$569,519,000 was also heavily contributed to by natural gas and zinc. Natural gas and cement were factors in California's output of \$523,352,000, while sulphur and natural gas swelled the Texas total mineral production of \$420,587,000.

West Virginia, Ohio and Illinois, all large coal producers,

ranked fifth, sixth and seventh, with the item of clay products outranking coal in Ohio. Other notable mineral producing states were Kansas, Kentucky, Michigan, Indiana, Minnesota, Arizona and New York.

The Southern States as a whole are one of the leading mineral producing regions of the country. In 1926, the South's mineral output, amounting to \$2,016,500,000, was more than one-third of the country's total. Compared with 1925, the value of the South's mineral production showed a gain of \$213,446,000 while there was a decline of \$406,000,000 in the output of the rest of the country. According to this state tabulation, the aggregate value of the mineral output of the United States in 1926 was \$5,503,000,000 as compared with \$5,678,000,000 in 1925.

#### MINERAL PRODUCTION, BY STATES, 1926.

| State          | Principal Mineral Products                             | Amount          |
|----------------|--|-----------------|
| Pennsylvania   | Coal, cement, clay products, natural gas.              | \$1,055,766,000 |
| Oklahoma       | Petroleum, natural gas, zinc                           | 569,519,000     |
| California     | Petroleum, natural gas, cement                         | 523,352,000     |
| Texas          | Petroleum, sulphur, natural gas                        | 420,587,000     |
| West Virginia  | Coal, natural gas, petroleum, clay products            | 395,942,000     |
| Ohio           | Clay products, coal, natural gas, petroleum            | 253,884,000     |
| Illinois       | Coal, clay products, petroleum, cement                 | 237,242,000     |
| Kansas         | Petroleum, zinc, natural gas, coal                     | 165,061,000     |
| Kentucky       | Coal, petroleum, clay products, natural gas            | 146,768,000     |
| Michigan       | Iron ore, copper, cement, salt                         | 130,861,000     |
| Indiana        | Coal, cement, stone, clay products                     | 118,692,000     |
| Minnesota      | Iron ore, stone, cement, clay products                 | 118,361,000     |
| Arizona        | Copper, gold, silver, lead                             | 115,048,000     |
| New York       | Clay products, gypsum, cement, stone                   | 112,016,000     |
| Utah           | Copper, lead, silver, coal                             | 98,985,000      |
| Missouri       | Lead, clay products, cement, coal                      | 90,004,000      |
| Arkansas       | Petroleum, natural gas, coal                           | 84,486,000      |
| Alabama        | Coal, iron ore, cement, clay products                  | 83,710,000      |
| Montana        | Copper, zinc, petroleum, silver                        | 79,763,000      |
| Wyoming        | Petroleum, coal, natural gas                           | 78,988,000      |
| New Jersey     | Clay products, zinc, cement, stone                     | 77,066,000      |
| Colorado       | Coal, gold, lead, petroleum                            | 65,597,000      |
| Louisiana      | Petroleum, natural gas, sulphur                        | 62,204,000      |
| Virginia       | Coal, clay products, stone, cement                     | 46,136,000      |
| Tennessee      | Coal, cement, clay products, stone                     | 39,297,000      |
| Iowa           | Coal, cement, gypsum, clay products                    | 35,972,000      |
| Idaho          | Lead, silver, zinc, stone                              | 31,753,000      |
| New Mexico     | Copper, coal, petroleum, zinc                          | 28,514,000      |
| Nevada         | Copper, silver, gold, lead                             | 27,613,000      |
| Maryland       | Coal, clay products, cement, sand and gravel           | 24,067,000      |
| Washington     | Coal, cement, clay products, sand and gravel           | 21,257,000      |
| Wisconsin      | Stone, zinc, sand and gravel, iron ore                 | 20,712,000      |
| Florida        | Phosphate rock, stone, sand and gravel, fuller's earth | 19,752,000      |
| Alaska         | Copper, gold, coal, silver                             | 17,607,000      |
| Georgia        | Clay products, stone, cement, fuller's earth           | 17,480,000      |
| Massachusetts  | Stone, clay products, sand and gravel, lime            | 16,787,000      |
| Vermont        | Stone, slate, lime, talc                               | 14,955,000      |
| North Carolina | Clay products, stone, sand and gravel, feldspar        | 10,993,000      |
| Connecticut    | Clay products, stone, lime, sand and gravel            | 7,695,000       |
| South Dakota   | Gold, cement, stone, sand and gravel                   | 7,595,000       |
| Oregon         | Stone, cement, sand and gravel, clay products          | 6,941,000       |
| Maine          | Stone, lime, slate, clay products                      | 5,786,000       |
| New Hampshire  | Stone, clay products, sand and gravel, feldspar        | 4,145,000       |
| South Carolina | Clay products, stone, sand and gravel, barite          | 3,677,000       |
| Nebraska       | Clay products, sand and gravel, cement, stone          | 3,322,000       |
| North Dakota   | Coal, sand and gravel, clay products                   | 2,805,000       |
| Mississippi    | Clay products, sand and gravel, stone                  | 1,883,000       |
| Rhode Island   | Stone, clay products, sand and gravel, lime            | 1,339,000       |
| Dist. of Col.  | Sand and gravel, clay products, sand-lime brick, stone | 987,000         |
| Delaware       | Stone, clay products, sand and gravel                  | 378,000         |

### Life Underwriters in Session.

Topics of interest and importance to life insurance men, "whether members of the Association or not," as the program puts it, are down for discussion May 17 at the tenth annual congress of Life Underwriters of Maryland and the District of Columbia, in Baltimore, at the Alcazar. "Everyday Underwriting" is the general theme, and 4000 licensed life insurance men have been invited, in the interest of advanced underwriting.



## The Iron Industry in 1927.

While the volume of production in 1927 of the iron-ore mining and pig-iron industries of the country recorded decreases as compared with 1926, states the Bureau of Mines, when the totals are compared with the averages for the preceding five years, the production in 1927 in each of these industries was somewhat greater.

The iron ore mined in the United States in 1927 amounted to 61,741,100 gross tons, a decrease of about 9 per cent as compared with 1926. Compared with the average for the preceding five years, however, the production in 1927 is greater by about 3 per cent. Operations in the northeastern States were on an increased scale in 1927, especially in New York and Pennsylvania, in which increases of 34 and 7 per cent, respectively, were recorded, and there was an increase of 6 per cent in New Jersey. More ore was mined also in North Carolina, Virginia and Montana in 1927 than in 1926, but in all the other iron-ore producing States mining was on a reduced scale.

The shipments of iron ore in 1927 amounted to 61,232,473 gross tons, valued at \$151,125,820, a decrease of 12 per cent in quantity and of 13 per cent in total value as compared with 1926. The average value per ton of iron ore at the mines in 1927 was \$2.47, which is about 4 cents less than in 1926. The stocks of iron ore at the mines at the end of 1927 amounted to 10,104,673 gross tons compared with 9,565,880 tons at the end of 1926, an increase of about 6 per cent.

### IRON ORE MINED IN THE UNITED STATES, 1926-1927, IN GROSS TONS.

(Exclusive of ore containing 5 per cent or more of manganese.)

| State          | 1926       | 1927       |
|----------------|------------|------------|
| Alabama        | 6,847,789  | 6,445,464  |
| California     | 282        | 282        |
| Colorado       | 35,535     | 32,206     |
| Georgia        | 51,642     | 50,312     |
| Michigan       | 15,248,254 | 15,075,079 |
| Minnesota      | 40,701,613 | 35,461,138 |
| Missouri       | 124,371    | 78,605     |
| Montana        | 724        | 2,837      |
| New Jersey     | 209,117    | 220,660    |
| New Mexico     | 216,269    | 214,747    |
| New York       | 638,849    | 853,159    |
| North Carolina | 15,198     | 32,528     |
| Pennsylvania   | 1,095,505  | 1,170,435  |
| Tennessee      | 138,819    | 121,914    |
| Utah           | 295,009    | 222,879    |
| Virginia       | 49,159     | 64,592     |
| Washington     | 1,702      | 550        |
| Wisconsin      | 1,322,776  | 1,091,118  |
| Wyoming        | 630,387    | 602,877    |
|                | 67,623,000 | 61,741,100 |

### IRON ORE SHIPPED FROM MINES IN THE UNITED STATES, 1926-1927, BY STATES.

(Exclusive of ore containing 5 per cent or more of manganese and of ore sold for paint)

| State          | 1926                     | 1927                     |
|----------------|--------------------------|--------------------------|
|                | Gross tons Value         | Gross tons Value         |
| Alabama        | 6,871,412 \$13,846,656   | 6,508,419 \$12,973,597   |
| California     | 282 *                    | 282 *                    |
| Colorado       | 35,535 *                 | 32,206 *                 |
| Georgia        | 51,642 149,198           | 50,312 147,068           |
| Michigan       | 16,699,984 43,932,982    | 14,532,831 37,135,364    |
| Minnesota      | 40,961,361 103,715,621   | 35,563,177 87,935,099    |
| Missouri       | 124,371 532,536          | 78,605 315,670           |
| Montana        | 724 1,810                | 2,837 10,156             |
| New Jersey     | 212,152 925,403          | 202,720 860,393          |
| New Mexico     | 216,269 *                | 214,747 *                |
| New York       | 659,741 3,015,586        | 936,850 4,568,224        |
| North Carolina | 14,798 31,645            | 32,528 81,753            |
| Pennsylvania   | 1,088,634 2,485,056      | 1,124,883 2,559,916      |
| Tennessee      | 138,307 312,109          | 121,220 274,620          |
| Utah           | 296,943 411,611          | 222,879 172,877          |
| Virginia       | 49,703 162,446           | 66,897 *                 |
| Washington     | 1,702 *                  | 550 *                    |
| Wisconsin      | 1,238,885 3,178,156      | 937,935 2,567,078        |
| Wyoming        | 630,387 *                | 602,877 *                |
| Undistributed  | †1,316,830               | †1,524,005               |
|                | 69,292,832 \$174,015,645 | 61,232,473 \$151,125,820 |

\*Included under "Undistributed."

†This figure includes value for States entered as "\*" above.

The production of pig iron in 1927, exclusive of ferro-alloys, was 35,875,129 gross tons, compared with 38,755,698 tons in 1926. Thus, the production in 1927 is about 7 per cent less

than in 1926, but it is about 4 per cent more than the average for the preceding five years.

The shipments of pig iron from blast furnaces in 1927, amounting to 34,866,644 gross tons, valued at \$646,226,139, showed a decrease of 9 per cent in quantity and of 14 per cent in total value. The general average value of pig iron of all grades at the furnaces in 1927 was \$18.53 a ton, as compared with \$19.63 in 1926.

### PIG IRON SHIPPED FROM BLAST FURNACES IN THE UNITED STATES, 1926-1927, BY STATES.

| State         | 1926                     | 1927                     |
|---------------|--------------------------|--------------------------|
|               | Gross tons Value         | Gross tons Value         |
| Alabama       | 2,875,534 \$58,119,260   | 2,705,240 \$50,193,057   |
| Colorado      | *                        | *                        |
| Illinois      | 3,626,330 73,460,392     | 3,466,203 66,442,068     |
| Indiana       | 3,670,478 79,292,329     | 3,447,764 62,097,518     |
| Kentucky      | 148,053 *                | 184,851 *                |
| Maryland      | 791,637 *                | 845,564 *                |
| Massachusetts | 23,130 *                 | 129,039 *                |
| Michigan      | 638,282 13,180,113       | 626,532 12,527,993       |
| Minnesota     | 292,658 *                | 287,813 *                |
| New Jersey    | *                        | *                        |
| New York      | 2,389,665 44,970,196     | 2,401,432 40,803,579     |
| Ohio          | 9,177,127 176,433,401    | 8,184,066 150,125,790    |
| Pennsylvania  | 13,142,528 263,238,184   | 11,145,334 212,179,275   |
| Tennessee     | 113,029 2,544,825        | 87,971 1,911,380         |
| Utah          | *                        | *                        |
| Virginia      | 105,019 2,322,451        | 84,920 1,782,538         |
| West Virginia | 364,302 *                | 504,816 *                |
| Wisconsin     | 235,597 5,034,012        | *                        |
| Undistributed | †587,684 †41,038,305     | †765,099 †48,162,941     |
|               | 38,181,053 \$749,633,468 | 34,866,644 \$646,226,139 |

\*Included under "Undistributed."

†Includes figures for States entered as "\*" above.

The shipments of ferro-alloys of all classes in 1927 amounted to 646,749 gross tons, valued at \$55,163,574, a decrease of 6 per cent in quantity and of 10 per cent in total value. The production of ferro-alloys in 1927 was 709,649 gross tons, as compared with 674,389 tons in 1926, an increase of 5 per cent. The quantity of domestic manganese ore used in the manufacture of ferro-manganese in 1927 represented only 4.3 per cent of the total manganese ore used.

The production of spiegeleisen in 1927 was 100,314 gross tons, containing about 20,400 tons of manganese (metal), an average of about 20.34 per cent of manganese.

The production of ferrotungsten in 1927 was 1278 gross tons, containing 2,226,174 pounds of tungsten (metal), an average of 77.74 per cent of tungsten.

The production of ferrovanadium in 1927 was 1543 gross tons, containing 1,297,623 pounds of vanadium (metal), an average of 37.53 per cent of vanadium.

### FERRO-ALLOYS SHIPPED FROM FURNACES IN THE UNITED STATES, 1926-1927.

| Variety of alloy                                | 1926                 | 1927                 |
|---|----------------------|----------------------|
|   | Gross tons Value     | Gross tons Value     |
| Ferromanganese                                  | 330,070 \$31,711,871 | 291,056 \$27,243,489 |
| Silicomanganese and silico-spiegeleisen         | 2,183 354,364        | 3,173 301,321        |
| Spiegeleisen                                    | 82,982 2,016,088     | 80,892 1,986,188     |
| Ferrosilicon (7 per cent or more silicon)       | 233,428 12,119,465   | 232,576 11,903,782   |
| Ferromolybdenum and calciummolybdenum compounds | 1,096 1,051,881      | * *                  |
| Ferrotungsten                                   | 1,771 2,900,053      | 1,289 2,185,788      |
| Ferrovanadium                                   | 1,777 4,721,903      | 1,467 3,939,067      |
| Other varieties                                 | 35,951 6,492,782     | 36,296 7,603,939     |
|   | 689,258 \$61,368,407 | 646,749 \$55,163,574 |

\*Included under "Other varieties."

### Plans for \$2,000,000 St. Louis Hotel.

St. Louis, Mo.—Additional property has been secured by Julius Feldman, president of the Mark Twain Hotel Company, which plans to erect a hotel at Eighth and Pine streets and this will enable the company to enlarge its original plans for the structure. The hotel will be 15 stories, to contain more than 400 rooms, with retail stores on the ground floor, and will cost \$2,000,000.

## BIG BALTIMORE NATIONAL BANKS TO MERGE.

### Citizens and Merchants Combine to Form First National With Resources of \$112,000,000.

Directors of the Citizens National Bank and the Merchants National Bank, two of Baltimore's largest financial institutions, have approved plans for the merger of the banks into a new First National Bank of Baltimore, whose resources will exceed \$112,000,000. The merger is expected to be ratified by stockholders of the two banks at an early date and to become effective about July 1.

The new bank will have a capital stock of 400,000 shares with a par value of \$10, making a total of \$4,000,000, and surplus and undivided profits of \$6,000,000, each of the two banks to contribute equal amounts to the capital, surplus and undivided profits. The Citizens National Bank is now rated with a capital of \$3,000,000, surplus of \$4,000,000, undivided profits of \$1,505,733, total deposits of \$33,479,770 and total resources of \$45,781,600, while the Merchants National Bank is rated with a capital of \$4,000,000, surplus of \$2,000,000, undivided profits of \$1,069,890, total deposits of \$57,095,534 and total resources of \$66,579,967.

According to a statement by Mr. Prentis, president of the Merchants National Bank, stockholders of that bank will receive one-half share of the stock of the new bank for each share of their present holdings and, in addition, will receive one share of stock in a securities company to be formed under the laws of Maryland, with every share of new stock. They will also receive a proportional certificate of beneficial interest in the assets of the Merchants National Bank not contributed to the new institution. Stockholders of the Citizens National Bank will receive a two-thirds share of the stock of the new bank for each share held in the Citizens National Bank, together with one share of the new securities company for every share to which they are entitled in the new bank, and a proportional certificate of beneficial interest in the assets of the Citizens National Bank not contributed to the new institution.

The main office of the consolidated bank will be in the Citizens National Bank Building, while the present banking rooms of the Merchants National Bank and branch banks of both companies will be retained. All the present officers of the two institutions will be retained with the new bank, it is stated, Albert D. Graham, president of the Citizens National Bank, to become chairman of the board and Morton M. Prentis, president of the Merchants National Bank, to become president. Eugene Levering, chairman of the board of the Merchants National Bank, will retire from active banking business July 1.

### Building and Loan Convention.

The thirty-sixth annual convention of the United States League of Local Building and Loan Associations will be held at Dallas, Tex., May 22, 23, 24 and 25. The convention will be called to order by President Otto T. Salick of Milwaukee, Wis., and addresses of welcome will be made by Mayor R. E. Burt and R. B. Cousins, State insurance commissioner. Group sessions will be a feature of the convention.

### Gas Association Elects Officers.

Dallas, Tex., May 12—[Special.]—S. W. Meals of Pittsburgh, president of the Carnegie Natural Gas Corporation, was elected president of the American Gas Association at the conclusion of its annual convention, held here. Henry C. Morris, president of the Dallas Gas Company, was elected vice-president of the natural gas department. Approximately

1800 delegates and guests were present and about 200 exhibitors. N. C. McGowen, Shreveport, La., as retiring president, became a member of the advisory committee, and T. B. Tonkin of Pittsburgh and R. C. Sharp of Tulsa, Okla., were named on the managing committee.

### Houston to Vote on \$4,000,000 School Bonds.

Houston, Tex.—The Board of Education of Houston Independent School District, H. L. Mills, business manager, has called an election for May 29 on a \$4,000,000 bond issue to erect new school buildings, additions to existing ones and for the purchase of equipment.

### East Texas Chamber Election.

Greenville, Tex., May 12—[Special.]—Election of John C. Middleton of Greenville as president marked the conclusion of the convention of the East Texas Chamber of Commerce, held here this week, while Bryan was selected for next year's gathering. Other officers elected were: Vice-Presidents, Rufus F. Scott, Jr., Paris; E. H. Astin, Bryan; Travis Holland, Port Arthur; C. L. Pool, Sherman; Judge Hayne Nelms, Groveton; treasurer, Gus F. Taylor, Tyler; general manager, W. N. Blanton.

### City Planners Look to Future.

Dallas, Tex., May 12—[Special.]—City planning and development in almost every phase were discussed this week by hundreds of delegates and visitors to the twentieth annual session of the National Conference on City Planning, the gathering here having been preceded by an opening-day session held at Fort Worth. From Fort Worth, the visitors traveled to Dallas by motor buses.

While the addresses and discussions were very largely of technical nature, many important suggestions were advanced in strictly practical fashion on a number of lines for the best development of the physical, mental, moral and aesthetic features of municipal life and activity. Traffic held an important place in the discussions, as also did zoning. Provision and cultivation of parks and similar breathing spots were other subjects of interest. And throughout the debates the importance of looking years ahead, and providing for expansion as the years roll on, was kept in mind and emphasized.

The visitors were welcomed by City Engineer E. A. Wood of Dallas and the response was made by President Edward M. Bassett of the Conference.

### More Activity in Florida in Real Estate and Home Buying.

The Journal-News of Daytona Beach, Fla., states that that city is in the midst of the greatest period of actual cash property sales it has ever experienced, according to figures furnished by the Southern Title and Trust Company. This activity has, it is reported, already brought an actual turnover of approximately \$800,000 in the first four months of the year, April having brought the largest single month's business to this title company in its experience, and May is reported as starting out to show as large a total as April. All the larger property sales made in the city during the last four months, it is said, have been by outside capital, and a number of important real estate and building proposals are now being planned. The sales of properties include one or two very large purchases of dwelling property by Eastern and Western capitalists, for winter homes, and the purchase of a number of sites by other Eastern men for the building of such homes, in contrast with the conditions of last year when building operations and real estate transactions were few and far between.



# IRON, STEEL AND METAL MARKET

## HIGH RECORD FOR STEEL INGOTS.

### Four Months Production at Top—Agricultural Implements in Big Demand.

Pittsburgh, May 14—[Special.]—Steel ingot production in the first four months of this year ran 3.6 per cent above that in the same period of last year and also showed a slight gain over the first four months of 1926, thus making a new high record for such a period. The steel ingot is the raw material of all rolled steel, but in the long run its tonnage has not been entirely typical of the iron industry as a whole, for there have been various declines in production of rolled iron, steel castings and iron castings.

This year's lead over last year occurred chiefly by reason of the April performance, for last year April showed 5 per cent lower production rate than March while this year the rate gained 3 per cent from March to April. In 1923 April was the high month of the year, while in the next four years March took the position. It seems to be normal for production to decrease for the summer, and this year the decrease comes later than usual. There is now a little decrease, but it does not amount to anything, steel production last week having been within 5 per cent of the peak rate.

The Steel Corporation's unfilled obligations decreased 463,073 tons in April. An April decrease seems to be seasonal, since this is the sixth year for April to show a decrease. The decrease was the more natural from the fact that early in the year there were large increases, partly no doubt on account of price conditions, as mills were advancing prices but allowed customers to cover somewhat extensively. The corporation's unfilled obligations May 1 were 416,000 tons above those on the same date last year. This month is in line for a substantial decrease, which is the usual thing for May, and as last May brought a decrease of 405,191 tons the unfilled tonnage June 1 will make a very favorable comparison with that of a year previous.

Steel buying is of moderate proportions and runs to small orders rather than to large engagements, there being much contract business still on books. The steel trade does not believe reports of numerous automobile makers running at higher rates now than in April, having its own information as to decreasing shipments of steel to the automobile industry and as to dealers' stocks of new and used cars. Increasing Ford production counts for but little in steel, on account of the Ford Motor Company's own production of steel.

Fabricated structural steel lettings have run somewhat light for three weeks, but the large lead over other years set up in the first three months of the year is hardly lost entirely.

Agricultural implement works are running at very high rates and will have little decrease for the summer, as there is an accumulation of tractor orders.

The season cotton tie price has been named, at \$1.23 per bundle, or three cents advance over the \$1.20 price of last season. The \$1.23 price is based f. o. b. Gulf ports, for lots of 2000 bundles and over, there being four cents extra on single carloads, while f. o. b. Atlantic ports prices are one cent higher. A bundle weighs 45 pounds, made of 19 gauge one-inch hoops, and for 15,000,000 bales the requirements would be about 60,000 gross tons, as one bundle takes care of five bales. Prior to 1924 cotton tie prices were based f. o. b. Pittsburgh, but at that time "Pittsburgh plus" was largely eliminated and there was foreign competition to be considered, so the basis was changed to seaboard. Reports from New York are that when the price was announced importers found they had been selling imported ties too cheap, as they had sold Belgian ties at down to \$1.05, the general sales price

having been about \$1.13 for Belgian and German and \$1.20 for British ties.

Steel prices are holding much the same as formerly, with bars, shapes and plates firm at 1.85c, and no further declines in sheets and strips.

## IMPROVEMENT IN METALS CONTINUES.

### Silver and Antimony Stimulated by Trouble in China—Copper Active.

New York, May 14—[Special.]—At a time when the ferrous metals are on the wane as a part of the regular seasonal development, the non-ferrous metals are headed in the opposite direction. Many tangible signs of improvement resulted during the past week. Copper is being stirred from its price lethargy and appears on the eve of an advance. Silver and antimony have been soaring due to the armed conflict between China and Japan. Zinc rose \$12 per ton from the low point of the year, while lead and tin are both steady though not spectacular.

The most irregular influence at work, an influence which was not part of the regular economic cycle, was the outbreak between the two Far Eastern countries. Silver skyrocketed because of the tendency of the Chinaman to convert his assets into silver in time of trouble, much as a backwoods American hoards his dollar bills in his socks. At one time during the week domestic silver reached 59¾c per ounce, which is 2c above the average price for the year. Antimony reached 11½c per pound, duty paid, a rise of 1c per pound in a week. Though there are large stocks of antimony in China, the strength of the market is due to a possible difficulty in getting the metal moved the thousands of miles from the inland mines to the Coast. The price of antimony leaped £2 per ton at London in a week, the sharpest change in several months.

Other minor metals showed but little fluctuation. Quick-silver is steady both here and in England, the local price being generally \$123 per flask of 75 pounds. Platinum prices have reached their level and show no tendency either way. Aluminum, nickel, bismuth, etc., are unchanged as usual.

Among the major metals the situation in copper is the strongest. Buying started out brisker at the beginning of the week and gained in momentum as the period progressed. The realization of the shortage of prompt copper was the trigger which set off the activity. At least ten big refineries can be mentioned by name where embarrassment is being met in making deliveries on contracts on schedule. In some cases copper which should have been delivered in April is still just being shipped. Second-hands and dealers who hold prompt tonnages are beginning to ask premiums. One large producer has withdrawn from the market, the implication being that prices are to go higher. The supply of copper is the tightest for two years. In fact, conditions are practically parallel to two years ago to the week. Then it was being predicted that a famine in copper would be experienced by July. No famine resulted, yet the shortage was very acute and refiners shipped metal out still hot in the effort to make deliveries on schedule. Another symptom of strength has been the absence of concessions, the first time in several months that someone has not been willing to "sharpen pencils" on prices. The present price is 14¼c per pound, delivered in the domestic market, but there is talk of 14½c within two weeks. Many producers, however, do not wish higher prices at this time. They say the margin of profit is satisfactory and they would rather maintain present levels, thus promoting wider consumption and allowing of greater production. They would depend on volume of business for good profits rather than

wider margin on smaller volume. The copper export business is steady, daily sales averaging 2000 to 5000 tons.

Zinc reached 6c per pound, East St. Louis, the middle of the week, the low point of the year having been 5.40c. The new strength was given by the first meeting of the newly formed zinc cartel in Europe, at which it was decided to curtail production to the extent necessary to raise prices. The price of zinc ore was raised \$1 per ton in the tri-State district to \$39 and another rise of \$1 per ton was slated. Zinc conditions were therefore progressing nicely until Thursday when the American Zinc Institute issued figures for April, showing a rise of surplus stocks of 3230 tons, a greater loss in shipments than the loss in production and a net gain in the number of active retorts. These statistics became the "monkey wrench" in the "machinery" and the effect will be watched keenly this week. Progress in zinc was in prices and sentiment, not in purchasing. Consumers have been skeptical since there were so many false starts in the zinc market in past months. They did not buy freely, whereas in copper the better sentiment had been backed up by heavy purchasing.

Tin continues to fluctuate within a narrow range, prices last week having averaged slightly under 52c per pound. Sales were made at the rate of 150 tons daily and speculators were the chief parties to transactions.

Lead is all but forgotten among the interesting developments in the other metals. Prices are unchanged at 6.10c per pound, New York, and 6c, East St. Louis. However the undertone of the market is strong. Lead has recovered the least from the low point of the year, having improved by only \$2 per ton, for instance, by comparison with the \$12 zinc rise.

### FOREIGN COMPETITION FELT.

#### Cotton Ties Come From Abroad—No Material Change in Pig Iron.

Birmingham, Ala., May 14—[Special.]—The rollers of steel are feeling the effect of foreign competition; the latest complaint concerns the bringing in of cotton ties to Southern ports. Plants in the district are now rolling ties day and night in anticipation of a strong demand, even with a late start in many sections of the cotton belt and unseasonable weather prevailing. However, the demand promises to be curtailed more or less so far as American manufacturers are concerned because of shipments of ties from Europe. Unlike other sections where a ban has been raised against foreign products, it is claimed there is an inclination to accept steel and iron products in the Southern and Western territory rather willingly, if quotations are a little lower.

The pig iron market in Alabama is unchanged save as to a little more activity in delivery. Many instructions are being given against orders and quite an amount of iron is moving—the surplus foundry iron. Production is being maintained, 10 blast furnaces having been busy recently on foundry, five on basic and two on special brand. April production in Alabama was 1200 tons under that of the previous month but there was a day's difference and one furnace was blown out toward the end of the month for repair and relining. Three blast furnaces are under repair, one furnace is being rebuilt and another will be dismantled shortly to be rebuilt. Three furnaces are in shape for immediate operation, including the two new furnaces of the Tennessee Coal, Iron & Railroad Company; at the proper time they will be placed in service. The Woodward Iron Company will blow in its No. 1 furnace, after relining, this week, making three iron-makers going with that company. Considerable iron was removed from the yards at Woodward during the last 60 days. While no formal announcement has been made as to

opening of books for the third quarter, there are some few sales for that period.

Foundry iron is still quoted at \$16 per ton, No. 2 foundry. Selling has been in lots of from one to three cars at a time and these are proving acceptable in the face of conditions.

Announcement is made by one company that deliveries the past month have been in excess of production. Sloss-Sheffield Steel & Iron Company No. 2 city furnace, in the city proper, has been producing around 500 tons of iron daily, a wonderful record. The old No. 1 furnace has been completely dismantled and excavations are being made for rebuilding on the site but with larger capacity than before and with the modern Dovel accessories.

The steel market is not as firm as it might be but there is a little more activity from day to day throughout the district. Structural fabricators are enjoying a fairly good trade locally, in small lots. Ingalls Iron Works Co., Inc., has contract for 4500 tons of structural steel for a cotton mill at Waycross, Ga., the steel to be furnished on a basis of 1500 tons for each of three units of the textile plant, one unit every 12 months to be erected. No definite date has been fixed for the delivery of the steel, organization of the corporation bringing machinery from the New England states not having been completed.

Smaller shapes of steel are in fairly good demand, wire, nails, bands, cotton ties, railroad accessories, etc. Quite a little tonnage is now going into railroad cars and underframes. While the fabricating shops are doing some work, it is mainly on the small, local contracts.

The coal trade is quiet, with demand slackened considerably. Many mines are operating about 50 per cent, a few 60 to 70 per cent capacity. However, the development work continues and within a few months there will be a greater capacity than ever. Several washers are being built, preparations being for a better coal as well as an increased tonnage. Coke is steady, the production at the by-product ovens being good. The Tennessee Coal, Iron & Railroad Company has its new battery of ovens at the big Fairfield plant now in operation. The first of the 600-tons-daily blast furnaces will be started about June 15 and there will be greater requirement of coke.

Consumers are buying scrap iron and steel in small lots but frequently. Prices are holding firm, heavy melting steel being quoted at from \$10.75 to \$11 per ton.

Pig iron and iron and steel scrap quotations follow:

#### PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$16.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$16.50; iron of 2.75 to 3.25 per cent silicon, \$17.00; iron of 3.25 to 3.75 per cent silicon, \$17.50; charcoal iron, f. o. b. furnace, \$29.00.

#### OLD MATERIAL.

|                                |                    |
|--------------------------------|--------------------|
| Old steel axles .....          | \$16.00 to \$17.00 |
| Old iron axles .....           | 16.00 to 17.00     |
| Old steel rails .....          | 11.50 to 12.00     |
| Heavy melting steel.....       | 10.75 to 12.00     |
| No. 1 cast.....                | 14.00 to 14.50     |
| Stove plate .....              | 13.00 to 14.00     |
| No. 1 railroad wrought.....    | 11.50 to 12.00     |
| Old car wheels .....           | 14.50 to 15.00     |
| Old tramcar wheels .....       | 14.50 to 15.50     |
| Machine-shop turnings .....    | 8.00 to 9.00       |
| Cast-iron borings .....        | 8.00 to 9.00       |
| Cast-iron borings (chem.)..... | 13.00 to 13.50     |

### Railroad Men Discuss Industry.

Miami, May 12.—Agricultural, immigration and industrial agents of a number of leading railroads met here this week, in convention of the American Railway Development Association and discussed ways and means for stimulating industry of every variety along their respective lines. The future of the Southeast was pictured by Dr. Poole Maynard and a paper by Dr. Burdette G. Lewis, vice-president of the J. C. Penney-Gwinn Company, also was a feature. Mrs. Edith L. Fullerton, described as the only woman railroad agricultural agent in the world, advocated development of the home and the community.

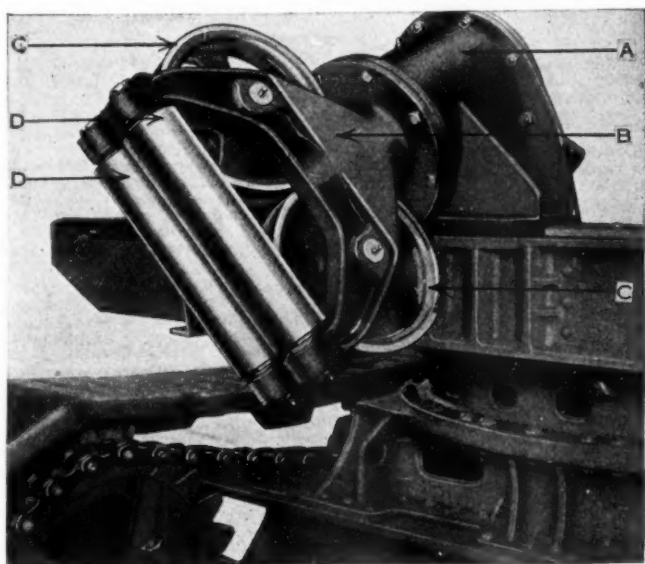


## NEW AND IMPROVED EQUIPMENT

### A Dragline Fairlead.

The Northwest Engineering Company, Chicago, Ill., builders of gasoline and electric shovels, cranes and draglines, announces a new fairlead for dragline service, designed for their type M, models 104 and 105 machines. Its chief feature lies in the great reduction of wear on the drag cable.

The drag cable can lead to either side of the machine to an angle of 75 degrees and not rub or scrape in any way on anything, states the company. It is in contact with only one sheave at a time and the sheaves being large there is a

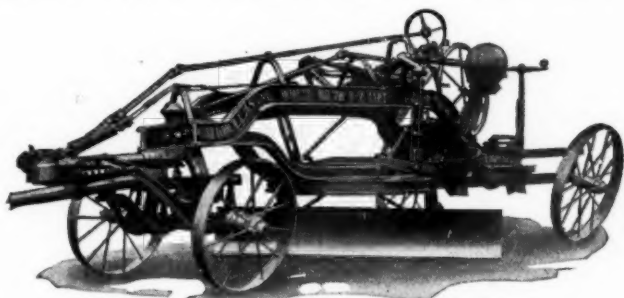


SHOWING FEATURES OF THE FAIRLEAD.

minimum amount of bending. It consists of (A) a rigid steel housing bolted to the rotating base casting. This is bored to receive two races of roller bearings in which turn the rotating portion (B). Section B carries two sheaves C-C and two rollers D-D. The drag cable passes between D-D, C-C, and through (B) and (A), which are hollow to receive it. As the angle of the cable swings, the fairlead rotates to suit. The rollers take the momentary sideways push and the sheaves guide the final pull.

### Leaning Wheel Grader Developments.

The Gallion Iron Works & Manufacturing Co., Gallion, Ohio, have announced two new Leaning Wheel E-Z Lift Graders, Numbers 77 and 78, and improvements in their large size Numbers 10 and 12 E-Z lift leaning wheel graders. The two



GALLION NO. 78 E-Z LIFT GRADER.

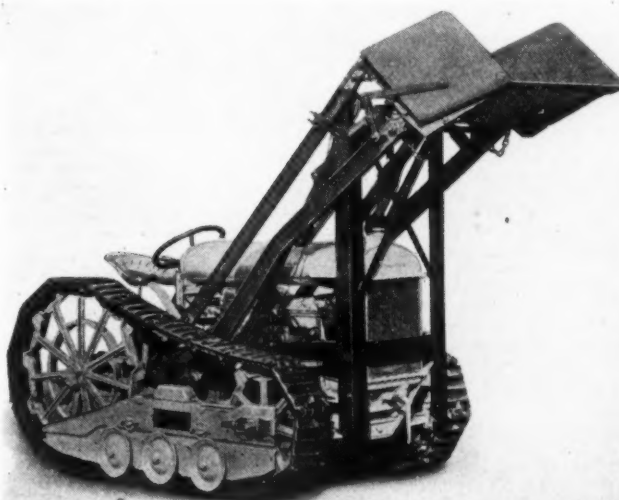
new graders are smaller, lighter machines of sizes for 7 foot and 8 foot mouldboards. They have the good features of the larger machines, including the Simplex pivotal frame adjustment and E-Z lift gearing. Open E-Z lift springs are used,

however, instead of the enclosed springs operating under compression as used in the larger sizes. Some changes have been made in the E-Z steer assembly for this size grader, although the self-locking machine-cut worm gearing operating in oil in an oil-tight gear case is used. The most important change is said to be in the "bottom." The former cast steel full circle proved strong and satisfactory, but the new semi-circle is equally strong and its use has permitted a reduction in weight which makes handling easier than ever.

This semi-circle and in fact all semi-circles on Gallion leaning wheel graders are now made of railroad rail of ample strength and weight, formed hot on the big Gallion bulldozers. The Gallion Company reports increasing business in its complete line of road rollers, road graders and motor graders.

### Lessmann High-Lift Loader.

Of interest to construction companies, contractors, public works officials, manufacturers, etc., is an announcement that the Lessmann Loader Company, Des Moines, Iowa, has put into production an improved high-lift loader and also an improved low-lift shovel. This company has recently been completely reorganized and some of the best engineering talent has been enlisted in improving the loader and shovel. Steel has been substituted for malleable iron in many of the parts, thus generally strengthening the machines; there is an improved clutch, there are cable tighteners which insure even hoisting of the bucket, anti-friction bearings, and an extra-long pinion shaft bushing of highest grade bronze. The



MUCH OF THE STRAIN OF LIFTING COMES AT THE CENTER OF THE TRACTOR.

mechanical principle of the Lessmann loader has been retained.

The strain of lifting does not all come at the front of the tractor, but instead much of it comes at the pivot point of the lift, at the center of the tractor, as may be seen in the illustration. This means less strain on the equipment and insures greater efficiency and better balance, and greatly reduces the tendency of the tractor to rock or pitch forward when the bucket is loaded. Complete information will be sent on request to the company.

Spartanburg County Commissioners, Spartanburg, S. C., will sell on May 24 an issue of \$400,000 highway bonds and an issue of \$100,000 hospital bonds, both to bear an interest rate of 4½ per cent.

# CONSTRUCTION DEPARTMENT

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

The date at the end of an item indicates issue of the Manufacturers Record in which earlier facts about the same enterprise were published.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

### Airports, Airplane Plants, Etc.

Ga., Dalton—Civitan Club interested in establishing airport.

Mo., Kansas City—N A F Flying Service, Inc., chartered, incorporated; Joseph H. Demaree, 1516 Scarritt Bldg.

Okla., Oklahoma City—Air Service Corp. incorporated; H. W. Parker, 226 W. 12th St.

Okla., Ponca City—Airmotor Corp. plans erecting airplane plant.

Tenn., Knoxville—Lyon Airways, Inc., incorporated; James Van Deventer, Lyons Bend Rd.

Tex., Harlingen—L. C. Doney, Jr., 2118 Wentworth St., Houston, acquired Valley Airways, Inc.

### Bridges, Culverts and Viaducts

#### Proposed Construction

Alabama—State Highway Comm., Montgomery, received low bids for 4 bridges: Montgomery County—S-203, conc. and timber, Ed. Pettus, Montgomery, \$27,683; S-292, conc. and timber, M. D. Morgan, Opelika, \$57,673; Perry County—conc. and timber, Florida Bridge and Construction Co., Orlando, Fla., \$18,169; Bibb County—conc. and timber, Ed. Pettus, \$44,796. 4-26

Ala., Birmingham—Jefferson County Bd. of Revenue receives bids May 20 for 3-span 600-ft. conc. Warrior River Bridge; \$85,000.

Ark., Hamburg—State Highway Comm., Little Rock, considering bridge across Ouachita River, between Hamburg and El Dorado.

Ark., Helena—Mayor D. T. Hargrave and John W. Dulaney, Tunica, applied for franchise to build bridge across Mississippi River, Helena.

D. C., Washington—Richmond, Fredericksburg & Potomac R. R. Co., E. M. Hastings, Ch. Engr., Richmond, Va., reported, contemplating bridge over Powell's Creek south of Washington.

D. C., Washington—Dist. Commrs. received low bid from L. B. Davidson, Bond Bldg., \$14,088 for steel girder and conc. Rock Creek Bridge, Military road, Rock Creek Park. 5-3

Florida—Edward Ball, Barnett Natl. Bank Bldg., Jacksonville, advises 3 bridges to be built by Alfred I. DuPont in State include: Across Santa Rosa Sound, at or near Camp Walton to Santa Rosa Island; across East Pass from Santa Rosa Island to Moreno Point; across Suwannee River at point where State Road 15 will cross river.

Fla., Jacksonville—City Comm. considering plans for Beaver St. Viaduct; W. E. Sheddan, City Engr.

Fla., Stuart—Martin County Comm. plans receiving bids to re-construct bridge at Jupiter Narrows; \$49,000 available.

Ga., Atlanta—I. N. Ragsdale, Mayor, receives bids June 4 for steel and conc. \$90,000 Mitchell St. Viaduct, at Terminal Sta. 4-12

Ga., Macon—State Highway Dept., East Point, authorized construction 2 conc. bridges, Bibb County: Over Rocky Creek, Columbus road; Walnut Creek, Jeffersonville road; \$40,000.

La., Baton Rouge—Louisiana Highway Comm. receives bids July 31 to construct, operate and maintain highway traffic Mississippi River bridge at or near Baton Rouge.

La., DeRidder—Louisiana Highway Comm., Baton Rouge, plans \$162,000 interstate bridge, across Sabine River, Bon Welr, west of Merryville, Highway 22, connecting southeast Texas and southwest Louisiana, between DeRidder and Singer, La., and Jasper and Newton, Tex. 2-16

La., Gretna—Louisiana Highway Comm., Baton Rouge, received low bid from Dudley & Winkle Construction Co., 348 Baronne St., New Orleans, \$7285, for Jefferson Parish Section, Seventeenth St. canal bridge, Shreveport-Carrollton Ave. highway. 4-26

Maryland—See Roads, Streets, Paving.

Mo., Carondelet—Dupre Bridge Co., plans constructing and operating toll bridge across Mississippi River, Carondelet.

Mo., Galena—Stone County Court considering 1400-ft. bridge across proposed Table Rock Lake, White River, near present crossing on State Highway 43.

N. C., Asheville—See Roads, Streets, Paving.

Okla., Chickasha—Grady County plans 3-span 11-ft. steel truss Cedar Creek bridge, I-beam approaches, near Pocasset, \$32,000; P. A. Little, Engr.

Okla., Guthrie—Logan County Commrs. considering 3-span 140-ft. rein. conc. Cotton Wood Creek Bridge, Noble Ave.; \$30,000; T. B. Reder, Engr.

Okla., Holdenville—City plans receiving bids in 6 weeks for \$150,000 bridge over South Canadian River; C. H. Edge, Engr. 12-15-1927

Okla., Okmulgee—Okmulgee County Commrs. plan 3-span 90-ft. steel truss Deep Fork Creek Bridge, Henryetta; \$30,000; H. C. King, Engr.

South Carolina—State Highway Comm. receives bids for 7 bridges and culverts. See Roads, Streets, Paving.

S. C., Charleston—Stono River Bridge Co., John McCrady, Peoples Bldg., received low bid from Atlantic Bridge Co., Jefferson Bldg., Greensboro, N. C., \$12,245, for steel span for Stono River Bridge, between James and Johns Islands. 4-19

Tenn., Kingston—Roane County Court plans bridge across Emory River, Suddath's Ferry.

Texas—State Highway Comm. plans 3 bridges and culverts. See Roads, Streets, Paving.

Texas—State Highway Comm., Austin, receives bids May 25 for 2 bridges and approaches: Comal County—354-ft. rein. conc. girder span, across Comal Creek, Highway 46, New Braunfels to Landa Park; 200-ft. conc. pavement and sidewalk, west approach; 300-ft. east approach; alternate bids on steel I-beams in conc.; Bowie and Cass Counties—800-ft. creosoted timber pile trestle, across Sulphur River, Highway 8, forty-seven 17-ft. panels.

Texas—See Roads, Streets, Paving.

Tex., Clarksville—Red River County Commrs. Court may widen 3 or 4 one-way bridges on Highway 5, east and west of Clarksville.

Tex., Corpus Christi—See Roads, Streets, Paving.

Tex., Houston—See Roads, Streets, Paving.

Tex., Mason—Mason County, John T. Banks, Judge, plans conc. bridge across Llano River and Beaver Creek, Highway 9.

Va., Norfolk—War Dept. approved plans of State Highway Comm., Richmond, for Little Creek Bridge near Norfolk, to be built by State.

W. Va., Charleston—Kanawha County, Charleston and Loudon Dist., plan bridge across Kanawha River; acquire present toll bridge, east end of city, \$1,250,000. See Financial News. 4-5

W. Va., Huntington—City received low bid from George Pence, Huntington, 32 cents per cu. yd. for 70,000 cu. yd. earth fill for eastern approach to proposed Four Pole Creek Bridge, Madison, Ave. to Piedmont road.

### Contracts Awarded

Ala., Vernon—See Roads, Streets, Paving.

Ark., Little Rock—Missouri & Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, let contract to American Bridge Co., 71 Broadway, New York, and Chicago, Ill., \$407,000, for 1024 ft. Arkansas River Bridge, Little Rock, including steel fabrication, piers and installation; 4 main river spans, 116 and 110 ft. approach spans, 48-ft. trestle; concrete piers; one lift span; plans for span and arrangement for its power approved by War Dept.; Missouri Valley Bridge & Iron Co., Leavenworth, Kan., reported, has contract for substructure. 3-22

Fla., Clearwater—H. S. Riddle, City Mgr., let contract to Geo. F. Gillespie, Jackson Blvd., Clearwater, \$5489, for 60-ft., 3-span slab and girder bridge over Stephenson Creek; 24-ft. roadway, 5-ft. sidewalks. 4-12

S. C., Charleston—Stono River Bridge Co., John McCrady, Peoples Bldg., let contract to Salmons-Clement Co., 9 State St., Charleston, for approaches to \$100,000 Stono River Bridge, between James and Johns Islands. 4-19

### Canning and Packing Plants

Fla., Mount Dora—Lake Dora Packing Co. will erect pre-cooling plant on Highland Ave., capacity 30,000 boxes fruit.

### Clayworking Plants

Tex., El Paso—Denver Fire Clay Co., Denver, Colo., advises do not anticipate erecting plant of any kind for manufacturing at El Paso. (Latey noted incorporated in Texas by Leroy G. Hetrick, Mills Bldg.)

Tex., Temple—Chamber of Commerce, W. A. Spencer, Chrmn., interested in having brick plant established by either local or outside capitalists.

### Concrete and Cement Plants

Ark., Saratoga—Oklahoma Portland Cement Co., Perrine Bldg., Oklahoma City, Okla., M. O. Mathews, Mgr., acquired 120 acres; plans erecting cement plant.

Fla., Tampa—Burton Cast Stone Co., 1717 Arch St., incorporated; F. G. Burton.

### Coal Mines and Coke Ovens

Va., Bristol—Wakenva Coal Co. increased capital, \$5,250,000 to \$8,750,000.

W. Va., Charleston—Peabody Coal Co., 332 S. Michigan Ave., Chicago, Ill., reported, acquired all properties Bellwood Smokeless Coal Co.

### Cotton Compresses and Gins

Ark., Forrest City—East Arkansas Compress Co. let contract to C. A. Ahlstedt, Forrest City, for \$140,000 compress, storage capacity 20,000 bales.

Ark., Stamps—D. O. Talbot, A. P. Beasley, organized company with \$15,000 capital, construct cotton gin.

La., West Monroe—Marion Gin Co., C. W. Wallace, Llando Drive, Pres., will erect cotton gin, daily output 60 bales; sheet metal, conc. floors, metal roof, cost \$25,000; install four 80-saw gin and engine; equipment purchased. 5-10

Miss., Hattiesburg—F. L. Matthews, Front St., will rebuild burned cotton warehouse.

Oklahoma—Farmers Union, 1001 Youngs Blvd., Oklahoma City, granted permission by Corporation Commrs. to erect co-operative gins in Binger Coopertown, Gracemont, Cordell, Ryan, Warren, Humphries and Scott.

Okla., Chickasha—Farmers Co-Operative Co., will erect cotton gin.



Okla., Scott—Farmers Union Co-operative Gin, capital \$25,000, incorporated; D. M. Blalock, Cogar; Oliver E. Rearick, Hinton.

Okla., Warren—Farmers Union Co-operative Gin, capital \$25,000, incorporated; A. E. Bagwell, P. E. Portwood.

Tex., Dougherty—J. H. Newton, Lakeview, constructing \$30,000 cotton gin.

### Drainage, Dredging and Irrigation

Florida—Florida Inland Navigation Dist., Chas. F. Burgman, Chmn., Daytona Beach, plans calling bond election middle part of July for East Coast Canal. See Financial News. 3-1

Fla., Pensacola—Escambia County Comms., Pensacola, and Okaloosa County Comms., Crestview, plan deepwater port for west Florida, making exporting point of Choctawhatchie Bay, cut canal through Santa Rosa Island, making canal 36 ft. deep, extending to Gulf of Mexico.

Ky., Owensboro—S. A. Burns, Drainage Commr., let contract at \$25,365 to J. D. Church for excavating Winstead ditch, beginning 2 mi. west of Owensboro and empties into Rhodes Creek near Green River north of Fifth St. road; remove 156,723 cu. yd. of earth.

Miss., Ripley—Dry Creek Drainage Dist. Comms., Fred B. Smith, Atty., receives bids June 8 for 40,000 cu. yds. open ditch dragline work in Dry Creek Drainage Dist.; F. A. Livingston, Engr., 201 Masonic Bldg., Louisville, Miss. See Want Section—Bids Asked.

Tex., Alice—Jim Wells County vote soon on bonds for reclamation.

Tex., Freeport—J. L. Schley, Lieut. Col. Corps of Engineers, U. S. A. Dist. Engr., advises Brazos River diversion project consists of earth dam with steel sheet pile core wall across present course of Brazos River about 7½ mi. from mouth, diversion channel about 6 mi. long, excavated just above diversion dam, entering Gulf of Mexico about 6 mi. west of present mouth, levees each side of diversion channel, dredging in Brazos River above diversion point and levees on both sides of present course of river; specifications for work not entirely completed; plans calling for bids within next month. 3-1

### Electric Light and Power

Electric light and power work in connection with many LAND DEVELOPMENT operations involves the expenditure of large sums of money. See that classification for details.

Ala., Millport—Alabama Power Co., Birmingham, acquired light plant of Millport Gin, Ice & Power Co., furnishing town of Kennedy with current.

Fla., Mayo—Florida Power Corp., St. Petersburg, erect power plant, 40x50 ft.; sheet iron construction; Paul Bartow, Constr. Engr., Mayo; install 75-kw. oil engine generator set; Fairbanks, Morse & Co., Mchy. Contrs., Chicago, Ill. 5-10

Ga., Columbus—Columbus Electric and Power Co. granted permission by Georgia Public Service Comm., Atlanta, to issue 6825 shares of no par value common stock. 4-26

Ga., Cordele—Crisp Power Comsn. receives bids July 10 for construction work on Flint River power dam. See Want Section—Bids Asked. 8-25

Kentucky—L. E. Bryan, Roberts, Tenn., applied to Federal Power Comsn., Washington, for permit to construct power dam on Rock Castle and Laurel Rivers in Rock Castle, Whitley, Knox, Laurel and Pulaski counties installed capacity 39,300 hp., 2 dams will provide storage capacity 27,000,000 cu. ft. of water; power to be used for coal operations and surplus sold to power companies in vicinity.

Ky., Paducah—Burns & McDonnell Engr. Co., 402 Interstate Bldg., Kansas City, Mo., will make survey and estimates for installation electric plant.

Ky., Maysville—Kentucky Power and Light Co., 100 West Monroe St., Chicago, Ill., increased capital, \$2,000,000 to \$3,500,000.

Louisiana—Electric Public Utilities Co., 29 S. LaSalle St., Chicago, Ill., will soon offer \$3,000,000 3 year 5% gold notes through Stanley & Bliss, Inc., C. E. Barrett & Co., Inc., both New York; proceeds to be used to redeem 1 year 5% notes and reimburse company for capital expenditures; company organized in Delaware, will operate directly or through subsidiaries, electric, gas, electric railway, ice and water properties in over

100 communities in Colorado, Illinois, Kansas, Louisiana, Maryland, Mississippi, Oklahoma and Texas.

La., Baton Rouge—Comsn. Council receives bids May 29 for street lighting system. See Want Section—Bids Asked.

Miss., Greenville—City, Mayor Schelben, plans making survey of city for erecting plant for supplying power for light, water works and sewer pumping station.

Mo., St. Louis—Union Electric Light and Power Co., C. O. Robinson, Supt. Power Plants, erect 3 story, 75x156 ft., \$200,000 substation Clark Ave. and 14th St.; La Beaume & Klein, Archts., Compton Bldg.; Fruin-Colnon Contracting Co., Contrs., Merchants Laclede Bldg.

Mo., St. Louis—City may vote in Nov. on bonds for completing lighting system. See Financial News.

Okla., Calera—City voted to sell to Oklahoma Gas and Electric Co., Oklahoma City, electric light lines and distribution system.

Okla., Elmore—City—City voted electric franchise to Oklahoma Gas and Electric Co.; construct transmission line.

Okla., Hooker—Inland Utilities Co., 1310 Liberty St., Kansas City, Mo., acquired light and power plant.

Okla., Westville—W. C. Tegmeier, Davenport, Iowa, acquired city light plant.

Tennessee—Tennessee Eastern Power Co., organized with 90,000 shares common stock without nominal par value; W. A. Jones, Pres.; R. E. Durger, Treas.; L. F. Musil, Sec., all 60 Wall St., New York; A. T. Baldwin, Boston, applied to Tennessee Railroad & Public Utilities Comm., Nashville, for permission to build \$5,200,000 hydro-electric plant on Holston River in Sullivan County; great reservoir of more than 2500 acres in Sullivan and Washington Counties, extending about 8 mi. up Holston and 4 mi. up Watauga River; dam 100 ft. high, produce 48,000 h.p.; construction begin within 18 months and be completed within 3 yrs.

Tenn., Dyersburg—See Water Works.

Tenn., Selmer—Southern Cities Power Co., Chattanooga, reported, authorized extension of electric line Selmer to Waynesboro to connect with line from Mt. Pleasant.

Va., Quantico—Virginia Electric and Power Co., Richmond, extend high-power transmission line 13 miles from Quantico to Occoquan; \$150,000; preliminary work completed, construction to begin within 2 weeks under supervision of Robert Throckmorton, Mgr. Light and Power Div.

Va.-Tenn., Bristol—Bristol Gas and Electric Co., subsidiary of Henry L. Doherty & Co., 60 Wall St., New York, C. E. Ide, local mgr., expending \$500,000 for expansion program for Bristol and vicinity; substation at Bristol now under way will be outdoor structure, 35x75 ft.; 30 tons of steel; capacity 4800 kw.; step-down 2300 volts from 44,000 volt line at Watauga for delivery in city; constructing substation at Elizabethton, increase capacity from 1000 to 4000 kw.; plans being made for 11,000 volt line from Butler to Mountain City.

### Fertilizer Plants

Md., Baltimore—Bowker Chemical Co., First and Tenth Ave., Canton, will rebuild burned plant at same location; American Agricultural Chemical Co., Engineering Dept., 419 Fourth Ave., New York City, preparing plans. 3-1

### Flour, Feed and Meal Mills

Tex., San Angelo—Texas Stockmen's Supply Co., H. O. Byrd, Mgr., plans establishing dairy rations feed manufacturing plant.

### Foundry and Machine Plants

Ky., Louisville—Shuler Axle Co., Jones and N Sts., erect \$15,000 steel shop.

Tenn., Columbia—Dr. J. B. Hardison, Pres. of Committee, negotiating with company for establishing stove foundry, providing city provides building 70x320 ft. and 8 acres of land.

### Gas and Oil Enterprises

Ark., Blytheville—City granted franchise to J. H. Hawthorne, representing Iowa gas company.

Fla., Jacksonville—American Gas & Power Co., formed as subsidiary of American Commonwealth Power Corp., 120 Broadway, New York, Frank T. Hulswit, Pres.; company organized in connection with plans for acquisition of Minneapolis Gas Light Co. and will also be holding company for other gas properties previously acquired, including Jacksonville Gas Co., Savannah Gas Co., Ban-

gor Gas Light Co., and St. Augustine Gas & Electric Light Co.; will issue \$6,500,000 25 yr. 5% secured debentures and \$4,000,000 6% first preferred stock of American Gas & Power Co. through Bonbright & Co., Inc., New York.

Ga., Atlanta—Southeastern Gas Co., Birmingham, Ala., plans beginning construction in about 30 days on \$35,000,000 pipe line to convey natural gas from northern Louisiana fields; F. A. Rothwell, Engr.; line will have stations every 50 miles, cross Mississippi River north of Vicksburg with branch line; serve towns in Alabama, Tennessee, Georgia. 4-12

Ga., Macon—Georgia Carolina Oil Co., Inc., 245 Boundary St., let contract to A. K. Adams & Co., 542 Plum St. N. W., Atlanta, for warehouse, 75x150 ft., brick walls, conc. floor, steel trussed asphalt roof, cost \$15,000; install \$1500 equipment; mchy. purchased. 5-10

Louisiana—Belchie & Laskey, Inc., Slattery Bldg., Shreveport, have made surveys from Richland to Lafayette in connection with proposed 20 and 16 in. pipe line serving 52 communities in Louisiana; plan beginning work about June 1. 2-9

La., Baton Rouge—Grosse Tete Oil and Gas Co., Inc., capital \$30,000, incorporated; L. F. Hart, 831 North St.

Mo., Linn—Traders Oil Corp. will install storage tank. 5-10

Mo., St. Louis—Irma Oil Co., incorporated; Wm. H. O'Brien, 705 Olive St.

Okla., Oklahoma City—Allen Gas Co., capital \$25,000, incorporated; Warren H. Edwards, 2832 W. 18th St.; A. E. Pearson.

Texas—Phillips Petroleum Co., Bartlesville, Okla., will erect 3 natural gasoline plants and enlarge Pampa plant, Gray County, increase capacity to 30,000 gal. daily; Rock Creek plant, Hutchinson County, will have capacity of 20,000 gallons gasoline daily, part of residue gas will be sold for carbon black purposes; Sanford plant, Hutchinson, will have capacity 20,000,000 cu. ft. gas daily; construction underway on both plants; Texroy plant, Hutchinson County, has capacity 40,000,000 cu. ft. gas daily.

Texas—Texas Cities Gas Co., organized as subsidiary of Union Utilities, Inc., 50 Williams St., New York, will offer through P. W. Chapman & Co., Inc., New York, new issue of \$5,400,000 first mortgage 5% gold bonds, series of 1928; company owns and operates gas manufacturing and distributing systems of Galveston, El Paso, Paris, Waco and Brenham. 5-3

Tex., Amarillo—Winrod Oil Co., incorporated; L. G. Palmer, 910 Buchanan St.

Tex., Brenham—Joe Butler and J. C. Calhoun, Corsicana, plan constructing \$30,000 pipe line from Brenham oil fields to city.

Tex., Galveston—Galveston Gas Corp. constructing \$30,000 gas line extension; contemplate additional lines.

Tex., Hemphill—City granted gas franchise to D. E. Pratt, R. H. Minton and T. B. Hamilton; pipe gas to city.

Tex., Houston—Stockholders Houston Oil Co., Petroleum Bldg., authorized issuance \$10,000,000 10 year 5½% sinking fund gold notes convertible into common stock of company.

Tex., Houston—Houston Oil and Royalty Co. incorporated; Wm. I. Shotwell, Sr., River Oaks Blvd.

Tex., LaPorte—City granted gas franchise to Houston Gas Co., Houston; pipe gas from Webster.

Tex., San Angelo—Warner-Quinlan Co., J. C. McIntyre, Pres., 2-6 Magnolia Bldg., Dallas, subsidiary of Warner-Quinlan Interests, New York, acquired 320 producing acres in Crane County, including 27 wells producing daily average 7000 bbls., power plants and other equipment and 2,000,000 bbls. oil in steel storage; plan providing pipe line facilities for delivering current production and storage oil to tank car racks at McCamey for moving by rail to Texas City, loaded on tankers for delivery to company's plant at Warners, N. J.; company manufactures gasoline and asphalt, with refineries at Warners.

Tex., San Antonio—A. B. A. Oil Co., capital \$150,000, incorporated; P. M. Armstrong, 128 School St.

Tex., San Antonio—Wolf Creek Oil Co., capital \$30,000, incorporated; J. J. Christie, Ed. C. Day, City Natl. Bank Bldg.

Tex., Slaton—West Texas Gas Co., Amarillo, let contract to Moore Construction Co., Lubbock, for laying 8-in. pipe line, Lubbock to Slaton, serve Post and Southland.

Tex., Sweetwater—Sweetwater Oil and Refining Co., capital \$100,000, incorporated; W. T. Thraves, M. E. Coley.

Tex., Sweetwater—J. A. Johnson, Tulsa Trust Bldg., Tulsa, Okla., representing new owners of Sweetwater Refining Co., has charge of plant; will triple capacity of plant.

Tex., Taylor—Community Natural Gas Co., subsidiary of Lone Star Gas Co., 1915 Wood St., Dallas, granted 25-yr. gas franchise; making survey; plans constructing gas line July 15. 4-5

Va., Norfolk—Stone & Webster, Inc., Boston, Mass., soon begin constructing 3,000,000 cu. ft. gas holder for City Gas Co., 200 E. Plume St.; \$300,000. 5-3

Va., Salem—Town Council will soon let gas franchise; Roanoke Gas Light Co., Roanoke, will extend line to Salem. 5-10

W. Va., Charleston—Ohio Southern Gas Corp., capital \$500,000, incorporated; Carl F. Bauman, Va. Land Bank Bldg., operate in Cabell County.

### Ice and Cold-Storage Plants

Ky., Georgetown—Scott County Milk Products and Cold Storage Co., capital \$25,000, incorporated; Linzy Hicks, Zach Myers, Geo. D. Traylor.

Md., Baltimore—Stockholders of Terminal Freezing and Heating Co., 430 S. Eutaw St., meet May 25 to consider proposal of sale of property to undisclosed interests.

Md., Baltimore—C. Hoffberger & Co., S. C. Hoffberger, Sec., 530-48 E. Monument St., let general contract to M. A. Long Co., 10 W. Chase St., for \$1,000,000 cold-storage plant; 11 stories and basement, 140x114 ft., irregular shape, rein. conc., flat slab frame, envelope type of cork insulation, brick interior, struct. steel stairway, built-up slag roof, rolling steel doors. Contracts to York Mfg. Co., York, Pa., machinery; to Electric Machine Co., Minneapolis, Minn., synchronous motors; to Burke Electric Co., Allentown, Pa., induction motors; also let contract to M. A. Long Co. for 3-story fireproof, rein. conc. office building; sprinkler system will have 30,000 gal. gravity tank on roof and 750-gal.-per-minute auxiliary pump in basement to be let separately; 4 elevators to be installed under general contract; John H. Wickersham, Engr., Appel Bldg., Lancaster, Pa. 4-19

Miss., Baldwin—Carnation Milk Products Co., Oconomowoc, Wis., plans erecting cooling and refrigeration plant.

### Land Development

Fla., Miami—Manor Land Co., incorporated; J. E. Downes, Real Estate Bldg.

Fla., Miami Beach—Indian Creek Golf Club (organized by members of Miami Beach Bath Club) acquired 300 acre tract north end; develop golf course and estates for members and yacht club; expend \$250,000 for filling in with 2,500,000 yards earth; \$100,000 for 18 hole golf course; dredge yacht basin.

Fla., Delray—Delray Beach Nursery, Inc., chartered; C. Y. Byrd, M. L. Blank.

Fla., Miami—Texas-Miami Co., Inc., chartered; C. H. Bancroft, Olympia Bldg.; F. J. Kelly.

Fla., Sanford—Wiley Grove Co., incorporated; S. G. Gray, First Natl. Bank Bldg.

Fla., Sarasota—Key-Bee Corp., capital \$75,000, incorporated; K. E. and D. G. McClellan.

Fla., St. Augustine—Araquay Estates, Inc., incorporated; B. H. Armstrong, Araquay Park.

Fla., Stuart—Mrs. Harriett Putnam plans developing portion of 400 acre tract in oranges, pineapples, grapefruit.

Ga., Valdosta—City voted park bonds. 4-26

Ky., Pineville—Blackmont Land Co., Inc., H. H. Asher, Pres., develop 65 acres. 5-10

La., Lake Charles—Torbert Slack, 2019 S. Ryan St., and Homer L. Brinkley acquired 20 acres south side English bayou.

La., New Orleans—Sam Realty Co., capital \$40,000, incorporated; Sam Bosofsky, 545 S. Rampart St.

La., New Orleans—Lux Realty Co., capital \$250,000, incorporated; Frank Roques, 1617 Paul Murphy St.

La., New Orleans—Near City Realty Co., capital \$100,000, incorporated; H. B. Turcan, 2209 Green St.

La., New Orleans—Merot Realty Co., capital \$50,000, incorporated; John H. Bernhard, Canal Bk. Bldg.

Md., Baltimore—Fulford Townsite Co., 223 W. Redwood St., incorporated; Milton A. Trenham.

Md., Baltimore—Concordia Realty and Investment Co., Calvert Bldg., incorporated; Herman J. Gerber.

Md., Baltimore—Terrace Realty Corp., North and Pennsylvania Aves., incorporated; John F. Davis.

Md., Frederick—Joseph D. Baker interested in developing 2 acre park on Carroll Creek.

Md., Rock Hall—Cedar Point Farm, Inc., incorporated; J. Kemp Bartlett, U. S. F. & G. Bldg., Baltimore.

Mo., Joplin—New Roanoke Development Co., developing Roanoke Crest, 25 acres, expend \$70,000; grade streets, construct conc. sidewalks, sewers, curbs and gutters; install water, light, gas, etc.; Hare & Hare, Kansas City, Landscape Archts., Huntzinger Bldg.; McDonald & Stephenson, 410½ Main St., in charge.

Mo., Kansas City—City voted \$225,000 bonds for Swope Park improvements. See Financial News.

Mo., St. Louis—Phoenix Realty Co., incorporated; Wm. C. Ghio, 5785 Kingsbury St.

N. C., Asheville—North State Corp., incorporated; J. I. Mason, Sunset Trail.

N. C., Charlotte—Samonds Co., capital \$100,000, incorporated; J. M. Samonds, S. H. Williams.

Okla., Oklahoma City—John J. Harden, Inc., Petroleum Bldg., develop 151 acres, 23d St. and Eastern Ave., develop subdivision; install paving, water, gas electricity.

Tenn., Kingsport—City plans developing 15½ acre park.

Tenn., Memphis—W. B. Meyers & Sons develop subdivision.

Tex., Harrisburg—O. L. Miller, West Bldg., Houston, will construct Camp San Jacinto tourist camp; install gas, water, sewers; build 36 efficiency frame apartments, 3 rooms and bath; expend \$40,000.

Tex., Houston—Square Deal Realty Co., 406 Stewart Bldg., incorporated; R. T. Moore.

Tex., Pampa—Pampa Golf and Country Club will develop 100 acres for golf course; Walter Sikes will lay out course.

Tex., Plainview—Anderson-Clayton Co., Cotton Exch., Houston, acquired 160 acres, will operate as model farm.

Tex., San Antonio—Alamo Development Co., capital \$10,000, incorporated; Charles K. Biggs, 1403 W. Woodlawn St.

W. Va., Williamson—Knox Creek Land Co., capital \$50,000, incorporated; Dr. W. H. Price, Chatterbox; D. W. Evans, Williamson.

### Lumber Enterprises

Ark., Warren—R. W. Baxter acquired Arkansas Lumber Co.; has contracted with Industrial Machinery Co., C. R. Bates, Mgr., for disposal of plant and all equipment will be dismantled and sold.

Ark., Van Buren—Geo. Meadors, Alma, acquired Van Buren Lumber Co.

Ga., Racepoint—L. W. Odum, Jerome, and J. L. Crawley leased 10,000 acres of timberland for turpentine operations.

La., Monroe—Kellogg Lumber Co., Inc., DeSard St., capital \$500,000, incorporated; J. P. Kellogg, H. W. Greene.

La., Sorrento—Dehass-Elby Lumber Co. rebuild lumber mill; \$50,000.

Miss., Brookhaven—Lincoln County Lumber Co. acquired 4000 acres of timber land in Lincoln, Copiah, Franklin, Jefferson and Lawrence Counties.

Miss., Leland—M. L. Virden Lumber Co., M. L. Virden, Pres., Greenville, acquired Smith-Helm Lumber Co.

Miss., Newton—E. B. Nettleton and J. E. Welch, both of DuBois Lumber Co., Lake, acquired timber holdings of Hopkins Lumber Co., near Newton; plans erecting planing mill.

N. C., Thomasville—J. N. Bryant, Hilton St., Wilmington, acquired Thomasville Lumber Co.; plans enlarging.

Tex., Beaumont—Neches Lumber & Building Co., Pine St., increased capital, \$75,000 to \$225,000.

W. Va., Logan—Peytona Lumber Co. acquired 15,000 acres of virgin timber along Elk, Rohhouse and Pidgeon Rivers, will construct railroad into tract.

W. Va., Mable—J. M. Sonner Lumber Co. acquired lumber mill at Gladys, of Col. Richard Caffey, Elkins; mill and machinery will be moved to Mable and erected to develop 1256 acre tract of timber.

### Metal Working Plants

Tex., San Angelo—Angelo Metal Works erect building, First and Gillis Sts.; Carter & Hall Co., Contrs.

### Mining

Ky., Louisville—Kentucky Consolidated Stone Co., capital \$5,000,000, formed by merger of American Stone & Ballast Co., High Bridge; Kentucky River Stone & Gravel Co., Tyrone; W. J. Sparks Co., operating quarries at Mt. Vernon, Sparks, Mullins and Russellville; Boggs-Barman Co., Yellow Rock; Lillmar Stone Co., Stephensburg; Goodin, Brown & Co., Upton, and Webster Stone Co., Irvington; will offer \$1,000,000 first mortgage 6½% bonds, \$600,000 of cumulative 7% preferred stock at \$100 share and distribution of 100,000 shares of no par value common stock to be given share for share with each subscription of preferred stock; will produce 2,000,000 tons of crushed stone; A. J. Hoffman, Pres., and other officers are Dunlap Wakefield, Weis-Gual Apts., both Louisville; Robt. Cox, V. A. Morgan, both Lansing, Mich.; Ernest W. Ropy, Lawrenceburg, Ky.; Sam Parks Burman, Richmond, Ky.

Mo., Platteau—Arrowhead Sand and Gravel Co., incorporated; William P. Carmichael, 21 Thornby Rd., St. Louis.

### Miscellaneous Construction

Ark., Arkadelphia—See Railways.

Fla., Pass-a-Grille—City voted bonds for seawall, fill on bayfront from southern edge of town to 12th St., and construct dock. See Financial News. 4-5

Miss., Ocean Springs—Seawall—See Roads, Streets, Paving.

Mo., St. Louis—City voted \$500,000 bonds for municipal wharf on Missouri River. See Financial News.

Tex., Fort Worth—Lakes—Tarrant County Water Improvement Dist. No. 1 construct 2 lakes, one near Ten-Mile Bridge and Eagle Mountain, Tarrant County, other in Jack and Wise Counties.

Tex., Galveston—Riprap—J. W. Zempster & Co., 2204 B St., have contract at \$21,890 for riprap at seawall. 4-12

### Miscellaneous Enterprises

Ala., Birmingham—W. F. Nagel, 2634 Pike Ave., has patents on new type of coal handling, coke handling and centrifugal apparatus for extracting and separating by-products from coal before used for fuel, plans erecting plant.

Ala., Mobile—Malbis Bakery, James Pappas, Mgr., 871 Broad St., erect \$50,000 bakery addition; 100x160 ft., 2 stories.

Ala., Mobile—Southern Dairies, 60 M St., Washington, D. C., acquired Good Humor Ice Cream Co., Washington and McQuillen Sts.

Ala., Montgomery—East Coast Mfg. Co., Walter Lobman, Pres., Park Ave., Cloverdale, erect \$33,000 shirt factory; 1 story, 205x245 ft., brick; Cramton Lumber Co., Contr., Lawrence and Pollard Sts.

Ark., El Dorado—Robert Webb, P. O. Box 674, 206-8 Masonic Bldg., plans establishing plant for manufacturing patented smoking pipes. See Want Section—Machinery and Supplies.

Ark., Gurdon—Clarence T. Key, Blytheville, acquired Gurdon Times.

Ark., Rogers—Barnes Dairy Products Co., G. S. Barnes, Pres., Blytheville, plans erecting \$60,000 milk plant; fireproof, steel, conc., 50x120 ft.

Fla., Coral Gables—Builders—Equipment and Supply Co., incorporated; B. E. Carey, Huntington Bldg.

Fla., Jacksonville—Byrne Building, Inc., incorporated; H. B. Howell, 3115 Riverside Ave.

Fla., Jacksonville—Pine Residue Chemical Co., incorporated; W. J. Lafferty, 433 E. Seventh St.

Fla., Lake Wales—Safar-Covington Electric and Machinery Co., Inc., incorporated; Albert Safar, Wm. C. Covington.

Fla., Miami—Crawford Plumbing Co., incorporated; J. J. Crawford, 105 S. W. 22d Rd.

Fla., Sarasota—E. C. Weichman, Youngstown, Ohio, leased Dean Alvord Bldg., 462 Main St.; remodel for ice-cream manufacturing plant.

Fla., Sarasota—Constructing—W. G. Donald, Inc., American Natl. Bk. Bldg., incorporated; W. G. Donald, W. G. Harrison.

Fla., Tampa—Tamarco Steamship Co., Inc., chartered; C. J. Hyer, Palmer Ave.

Fla., Tampa—Economic Shoe and Dry Goods Co., incorporated; E. Salario.

Fla., West Palm Beach—Palm Beach Monarch Pump Co., incorporated; J. H. Follette, 316 Datura St.



Fla., West Palm Beach—Red & Clark Construction Co., Inc., incorporated; H. P. Jones, 408 El Vedado Rd.

Fla., Williston—Hubbard Construction Co., capital \$25,000, incorporated; F. E. Hubbard, T. E. Cleary.

Fla., Winter Haven—Taylor-Second Construction Co., incorporated; C. S. Taylor, 1000 N. Lake Otis Drive.

Ga., Cornelia—Cornelia Cleaners and Dyers, J. H. Gastley, erect laundry.

Ky., Louisville—Stockholders of Devoe & Reynolds Co., 1 W. 47th St., New York, authorized issuance of 15,000 shares of Class A common stock for completing purchase of Peaslee-Gaulbert Co., 401 W. Main St., manufacturers of paint, varnish and lacquer. 4-26

Ky., Louisville—Tobacco By-Products and Chemical Corp., A. G. Robinson, V-Pres., Columbia Bldg., erect plant, 17th and Magnolia Sts.

Ky., Louisville—Louisville Stone Veneer Co., incorporated; F. H. Cushing, G. W. Streckfuss.

Louisiana—Royal Muralite, Inc., Judge W. R. Haile, Pres., Shreveport, plans establishing about 24 plants in Texas, Arkansas and Louisiana for manufacture of synthetic stone for interior and exterior buildings.

La., Alexandria—Department of Conservation, James N. McConnell, Engr., plans constructing dam at junction of Little River and Old River; lake of area of 100 sq. mi. will be converted into fish hatchery.

La., Baton Rouge—Hardware—Doherty Bros., Inc., chartered; L. S. Doherty, 1926 Cherokee St.

La., Crowley—Chamber of Commerce, W. B. Gill, Sec., negotiating with outside capitalists for \$50,000 plant to manufacture malted milk from rice polish; J. H. Sassee will be local mgr.

La., Lake Charles—Warren J. Kenyon Dredging Co., Inc., incorporated; A. M. Mutersbaugh, Nagum Bldg.

La., New Orleans—Theo. L. Perrier, Archt., Maritime Bldg., preparing plans for film exchange building; 4 story, rein. conc., brick, built-up comp. roof, fireproof.

Md., Baltimore—Paper Products Co., Calvert Bldg., incorporated; Huntington Cairns, John A. Avirett.

Md., Baltimore—Baltimore Elektrik-Mald Bake Shops, Inc., 1103 Light St., chartered; Wm. L. Robinson.

Md., Baltimore—Clover Ice Cream Co., 17 E. Pratt St., incorporated; James C. Leib.

Md., Baltimore—Severn Construction Co., Inc., 619 N. Luzerne Ave., incorporated; James C. Dunnigan.

Md., Baltimore—Red, White and Blue Publishing Co., 3120 Greenmount Ave., incorporated; Bernard F. Cady.

Md., Baltimore—Printing, Stationery—Fohner Bros., Inc., 3131 W. North Ave., incorporated; Charles J. H. Dimming.

Md., Baltimore—De Luxe Sign Co., Inc., Citizens Natl. Bank Bldg., chartered; Wesley A. Grant.

Md., Baltimore—General Construction Co., 19 E. Lombard St., incorporated; Wm. S. Briddell.

Md., Baltimore—National Casket Co., Falls-way and Lombard St., let contract to Bell Construction Co., 802 E. Eager St., to erect \$40,000, 1-story, brick annex for showroom; slag roof, comp. floors; Hopkins & Burton, Archts., 347 N. Charles St.

Md., Baltimore—Thomas Mullan, 3945 Greenmount Ave., erecting \$100,000 building to be leased by General Outdoor Advertising Co., 24 Falls-way; 135x145 ft., 1 story, face brick, artificial stone, metal roof, conc. floors; completed about Aug. 1; A. L. Blatchley, Archt.

Md., Baltimore—Baltimore Victor Products Co., Wm. R. Lewis, Pres., 227 W. Saratoga St., new organized subsidiary of Victor Talking Machine Co., Camden, N. J., has acquired wholesale distributing rights of victrola products from Cohen & Hughes, 228 W. Saratoga St., Baltimore, E. F. Droop & Sons Co., 1300 G. St., N. W.; Robt. C. Rogers Co., 1223 I. St., N. W., both Washington; and Corle Co., 213 E. Broad St., Richmond, Va.; will establish branch at Charlotte, N. C.

Md., Baltimore—Pariser Bakery, Inc., 2304-08 Pennsylvania Ave., incorporated; David Lansman.

Md., Baltimore—Mayonnaise, Relishes, etc.—Gelfand Mfg. Co., Simon Gelfand, Pres., Monument and Eighth Sts., erect plant addition; 31x62 ft., 1 story, fireproof, brick, conc., floor; C. W. Schmidt, Contr., Hearst Tower Bldg.

Md., Towson, Br. of Baltimore—Union News Printing and Publishing Co., Reckord Bldg., T. Lyde Mason, Jr.

Miss., Okolona—Aberdeen Creamery erect plant.

Miss., Philadelphia—Chamber of Commerce interested in establishing milk plant.

Mo., Joplin—R. C. Bonham Roofing Co., 1042 Main St., incorporated; Roscoe A. Bonham.

Mo., Kansas City—Rossmore Construction & Development Co., incorporated; D. M. Ni-gro, Argyle Bldg.

Mo., Macon—Rice Stix Dry Goods Co., Aaron I. Rauh, V-Pres., may establish garment factory.

Mo., St. Joseph—Sash, Doors, Blinds, etc.—Hotchkiss Mfg. Co., 18th and Penn. Sts., incorporated; Foster Hotchkiss.

Mo., St. Louis—Schuermann Building & Realty Co., St. Charles Pk. Rd., increased capital \$50,000 to \$150,000.

Mo., St. Louis—Photographic Materials—M. C. Runder, Inc., incorporated; Wm. C. Runder, 4409 W. Pine St.

Mo., St. Louis—Platers Supplies—Lustre Co., 2001 Ohear St., erect \$12,000 factory, 3307 N. Broadway; 1 story, 94x98 ft., brick, tar and gravel roof; R. F. Yourtee, Archt., 7219 Emile St.; Franklin Pierce, Contr., 6904 W. Park St.

Mo., St. Louis—Electrical Devices—Talbot Mfg. Co., 1213 Chestnut St., incorporated; Albert R. Walker.

Mo., St. Louis—Schneider Contracting Co., incorporated; M. G. Baron, Arcade Bldg.

Mo., St. Louis—Ormsby Rassieur Mine Equipment Co., incorporated; Earle Ormsby, 4508 McPherson St.

Mo., St. Louis—Wagoner Realty & Construction Co., Bank of Com. Bldg., increased capital, \$5000 to \$25,000.

N. C., Charlotte—Smith Printing Co., capital \$50,000, incorporated; D. O. Smith, 12 Grove St.

N. C., High Point—Consolidated Mirror Co., incorporated; Sid P. Childress, 906 Montlieu St.

N. C., Lexington—Lexington Steam Laundry erect building, brick, 25x180 ft.

N. C., Winston-Salem—Jones Bros., Greensboro, erect bakery, S. Academy and Marshall Sts.; 100x160 ft.; brick.

Okla., Chickasha—City voted \$20,000 bonds for fire equipment. See Financial News. 4-5

Tex., Baytown—News-Herald Printing Co., incorporated; Hugh Echols, Jr., E. H. Bell, D. I. Fortinberry.

Tenn., Chattanooga—Family Service Laundry of Chattanooga, capital \$30,000, incorporated; J. P. W. Brown, Jr., 819 Oak St.

Tenn., Knoxville—Plumbing Supplies—Mott-Southern Co., Peters St. Viaduct, Atlanta, Ga., leased building, 129-31 W. Jackson Ave.; will remodel, \$10,000; H. A. Gerwin, Contr., 3028 Glenfield Dr.; Ira A. Watson, 11 Market Square, owner.

Tenn., Memphis—Snowflake Laundry, 1104 U. & P. Bank Bldg., capital \$10,000, incorporated; E. L. Hopper.

Tenn., Nashville—Jarman Shoe Co., 207 Shelby Ave., let contract to Foster Creighton Co., Fourth and First Bldg., for \$150,000 factory; 3 stories, 299x239 ft., brick, conc., maple floors, stone foundation, comp. roofing; to Gowans Railey Co., for heating and plumbing; Herbrick & Lawrence, for electric; Nashville Machine Co., 123 Third Ave., N., for elevator; C. K. Colley & Co., Archt., Fourth and First Bldg. 4-26

Tex., Clarksville—W. D. Franklin, Mayesville, Okla., acquired Bogata News.

Tex., Corpus Christi—Engrs. and Bldrs.—Wood-Sherman Construction Co., incorporated; H. H. Brown, W. T. Luckie.

Tex., Dallas—Federal Electric Co., incorporated; Frank M. Kemp, Allen Bldg.

Tex., Dallas—National Newspaper Enterprises, capital \$25,000, incorporated; S. W. Papers, Mercantile Bk. Bldg.

Tex., Dallas—Marfa Publishing Co., incorporated; T. E. Childers, James H. Macklin.

Tex., Dallas—Southwest Rubber Products, Inc., capital \$20,000, incorporated; D. D. Braly, 5000 Franklin St.

Tex., Fredericksburg—Kneese Telephone Co., capital \$36,000, incorporated; A. W. C. Kneese, Joseph P. Staudt.

Tex., Goose Creek—Goose Creek Building Co., capital \$10,000, incorporated; J. G. Martin, E. P. Blondou.

Tex., Harlingen—Jones Transfer Co., capital \$35,000, incorporated; George T. Jones, M. E. Fletcher, G. M. Taylor.

Tex., Houston—Lone Star Bag & Bagging Co., capital \$200,000, incorporated; M. M. Feld, 2102 Brooks St.

Tex., Plainview—T. H. Luster erect \$10,000 laundry; Young & Bryson, Contrs.

Tex., San Antonio—Norton Gas Appliance Co., capital \$10,000, incorporated; C. M. Gaines, City Natl. Bk. Bldg.

Tex., San Antonio—Eagle Publishing Co., 212 Villita St., erect building, E. Myrtle St.; brick, rein. conc., 1 story, 84x86 ft., \$30,000.

Tex., San Antonio—Prest-O-Lite Co., Inc., Indianapolis, Ind., applied to City for permit to erect plant for manufacturing, storage, compressing and transporting acetylene gas.

Tex., San Antonio—Paul Steam Laundry Co., incorporated; Elmar A. Dittmar, City Natl. Bk. Bldg.

Tex., San Antonio—American Building Co., 1615 W. Kingshighway, increased capital, \$36,000 to \$100,000.

Tex., San Antonio—Western National Fire Insurance Co. of San Antonio, capital \$100,000, incorporated; Kenneth Wimer, 1506 W. Huisache St.

Tex., Temple—Temple Milk and Creamery Co., capital \$25,000, incorporated; Joe T. Bonner, J. C. Mitchell, R. L. Dennison.

Tex., Texas City—J. P. Garvey, 2167 Olive St., Cleveland, Ohio, acquired Texas City-Mainland Sun newspaper.

Tex., Waco—Record Publishing Co., incorporated; Lionel A. Watson, C. H. Perry.

Va., Norfolk—Paramount Building Corp., capital \$25,000, incorporated; C. E. Winn, Bankers Tr. Bldg.

### Motor Bus Lines and Terminals

Fla., Jacksonville—Jacksonville Rapid Transit Co. incorporated; E. C. Coffee, Shadowlawn.

Ky., Louisville—Ohio Valley Rapid Transit Co., incorporated; H. Louis Augustus, 220 S. 42d St.

Mo., Springfield—Missouri Stage Line, incorporated; Coin Combs, 520 E. Grand St.

Mo., St. Louis—People's Motorbus Co., 3615 Forest Park Blvd., applied to Bd. of Public Service for permit to extend service along 3 lines; one line to be along Gravois Ave.; along Oakland Ave. from Kingshighway to Billon Ave., and loop line down to levee along Third St. from Lucas to Vine Sts.

Okla., Oklahoma City—W. H. Crick applied for permit to operate motor freight line between Oklahoma City and Hinton.

Tex., Temple—Parker Transportation Co. let contract to Baker Bros. for motorbus station; fireproof, rein. conc., steel truss.

Va., Covington—State Corp. Comm., Richmond, granted permit to Waddell and Payne to operate bus line between Covington and Industrial Rayon Corp.'s plant.

### Motor Cars, Garages, Filling Stations

Ala., Birmingham—John H. Drakeford erect \$11,000 filling station, Second Ave. and Ninth Sts.; fireproof, 2 stories, 45x85 ft., comp. roof.

Ala., Ensley—Ingalls Iron Works Co., 720 Ave. D, Birmingham, Ala., has contract for 110 tons of struc. steel for Hyatt Phillips Auto Co.'s building. 5-10

Ala., Montgomery—Ingalls Iron Works Co., 720 Ave. D, Birmingham, Ala., has contract for 150 tons of struc. steel for McGough Motor Co.'s building. 4-12

Ark., Batesville—Barnett Bros. erect filling station, Main and First Sts.

Ark., Junction City—Brinker Motor Co., I. A. Brinker, erect \$10,000 garage; brick, stucco, semi-fireproof, 80x120 ft., sheet metal roof; owner builds.

D. C., Washington—Terminal Refrigerating and Warehousing Corp., 4½ and D Sts., S. W., erect \$40,000 building for public garage, store and cafe, 1147-49 E St.

D. C., Washington—Wm. E. Gore, 819 15th St., N. W., erect 4-story conc. building, 1124 21st St.

Fla., Clearwater—Clearwater Auto and Service Co., incorporated; James Metcalf, 39 N. Ft. Harrison Ave.

Fla., Jacksonville—Claude Nolan Motor Co., 1001 Main St., incorporated; Claude Nolan.

Fla., Kissimmee—Seel Motor Co., incorporated; Wm. Seel, R. H. Duncan.

Fla., Miami—Dade Motor Sales Co., capital \$50,000, incorporated; S. D. Weisscuch, First Natl. Bk. Bldg.

Fla., Tampa—Gould Tire and Rubber Co., Thomas C. Gould, Pres., acquired 7 acre tract on E. Michigan Ave., will begin construction at once on first unit of tire and

tube factory; 70x300 ft., with separate boiler house and machine shop, 30x70 ft., steel, conc.; construct two 10,000 gal. oil tanks; capacity 500 tires daily; B. Bonfoey, Archt., 305 Morgan St.

Fla., West Palm Beach—Port's Garage, Inc., Fourth St., incorporated; R. T. Port.

Ga., Dawson—T. Homer Anthony, Shellman, erect filling station, Stonewall and Johnson Sts.

La., New Orleans—Auto and Electric Supply Co., Inc., capital \$50,000, incorporated; Percival Stern, 1734 Palmer Ave.

La., New Orleans—Seither's Transfer and Garage, Inc., chartered; Henry Seither, 5320 Loyola St.

La., New Orleans—Clarke Garage Co., Inc., 920 Gravier St., receive bids May 22 for garage, 213 S. Rampart St.; 4 stories, 88x120 ft., rein. conc., steel brick, fireproof, cement floors, sprinkler system; following contractors estimating: Lionel F. Favret, Louisiana Bldg.; Gervais F. Favret, Balter Bldg.; Denegre & Woodward, Inc., Louisiana Bldg.; Geo. J. Glover Co., Inc., Whitney Bank Bldg.; R. P. Farnsworth & Co., Martine Bldg.; Favret & Livaudais, Archts., Hibernia Bank Bldg.

La., Shreveport—Reo Tire Co., Inc., 825 Texas St., Adolphus Rioux, Pres., will change name to Adolphus, Inc.; receives bids about June 10 for \$65,000 service station; 50x120 ft., 4 stories, conc., ramps, conc. roof; Clarence King, Archt., Giddens Lane Bldg. See Want Section—Machinery and Supplies. 1-12

La., Shreveport—Homer Jordan receives bids May 24 for \$70,000 garage, Fannin and Edward Sts.; fireproof, rein. conc., 3 stories, comp. built-up roof; Clarence W. King, Archt., Giddens Lane Bldg.

Md., Baltimore—John A. Baker, 416 Munsey Bldg., applied for permit to erect garage, Kate and Garrison Aves., for Frank Howard.

Miss., Corinth—Dr. F. C. Williams let contract to Reynolds Bros. for erecting filling station and garage, Cass and Cruise Sts.; brick, 47x505 ft.; J. M. Hanley will operate.

N. C., Greensboro—Carroll Motor Sales Co., capital \$100,000, incorporated; J. M. Carroll, W. P. Stevens, W. K. Erdman.

N. C., Oxford—Hulse Rotary Valve Motor Co., capital \$100,000, incorporated; E. G. Hulse, A. H. Taylor.

Okla., Oklahoma City—Auto Accessories—Harrison Smith Co., 711 N. Broadway, erect \$80,000 factory; rein. conc., 140x150 ft., 2 stories, arch and gravel roof; Harry Reynolds, Archt., 915 N. Hudson St.; Brown & Meyer, Petroleum Bldg.; Chas. E. Huffman & Son, Contr., 224 W. 23d St. See Want Section—Building Material and Equipment.

S. C., Anderson—Clyde L. Stone, N. Main St., erect building, S. Main and Reed Sts.; 60x135 ft., 2 stories, \$25,000.

Tex., Edinburg—R. F. Clements erect garage; 1 story, 55x50 ft., brick, conc.; Leroy Lane, Archt.; W. O. Stephenson, Contr.

Tex., El Paso—El Paso Oldsmobile Co., 311 Montana St., increased capital, \$7500 to \$20,000.

Tex., Houston—Gulf Tire Co., 1202 McKinney St., increased capital, \$1000 to \$10,000.

Tex., Marion—Marion Motor Sales Co., incorporated; Edgar Weyel, B. A. Krueger.

Tex., McAllen—Weber Motor Co., capital \$20,000, incorporated; L. E. Weber, B. L. Parten.

Tex., Taylor—City Motor Sales Co., incorporated; E. H. Verry, Jr., R. C. Faulkner.

Va., Norfolk—Truscon Steel Co., Youngstown, Ohio, low bidder at \$39,025 for municipal stable and garage, Princess Anne Rd. and Bank St.

W. Va., Beckley—Burleson Motor Co., capital \$50,000, incorporated E. L. Burleson, Orange Snuffer, W. M. McCutcheon.

### Railways

Ark., Arkadelphia—Missouri-Pacific R. R. Co., E. A. Hadley, Ch. Engr., St. Louis, Mo., let contract to List Construction Co., 415 Ry. Exch., Kansas City, at \$575,000 for raising tracks between Arkadelphia and Gum Springs above all backwater stages; and at \$80,000 for raising tracks below Curtis, 10 miles south of Arkadelphia.

Ark., Jonesboro—St. Louis Southwestern Ry. Co. (Cotton Belt), Daniel Upthegrove, Pres., St. Louis, Mo.; plans expending \$675,000 during 1928 to reduce grade between Ilmo, Mo., and Jonesboro.

Md., Baltimore—Pennsylvania R. R., E. B. Temple, Ch. Engr. (Eastern Region), Philadelphia, Pa., plans passenger, freight and express terminals in Calvert Station area as part of \$22,500,000 building program for Baltimore, construct and improve tunnels,

electrification of main lines from Guilford Ave. to northeast city limits; eliminate grade crossings.

N. C., Aberdeen—Seaboard Air Line Ry. Co., W. D. Faucette, Ch. Engr., Savannah, Ga., let contract to Sutton Bros., Atlanta Natl. Bk. Bldg., Jacksonville, Fla., for grading and laying tracks for icing facilities.

Okla., Oklahoma City—Interstate Commerce Comm. granted permission to Chicago, Rock Island & Pacific Ry. Co., C. A. Morse, Ch. Engr., Chicago, Ill., and St. Louis-San Francisco Ry. Co., F. G. Jonah, Ch. Engr., St. Louis, Mo., to construct 7 mi. of new line to serve union station, and connect with main lines of railroads; \$2,026,435.

W. Va., Logan—See Lumber Enterprises.

Texas—Gulf Colorado and Santa Fe Ry. Co., W. B. Storey, Pres., Chicago, Ill., applied Interstate Commerce Comm. for permission to acquire control of Cane Belt R. R. to new 35 mi. branch of Panhandle and Santa Fe Ry. Co.; branch would extend from point between Lane City and Magnet, Wharton County, to point on Santa Fe near Thompsons, Fort Bend County; application to build now pending before Interstate Commerce Comm.; Panhandle and Santa Fe Ry. Co., R. H. Allison, Pres., Amarillo, Tex., plans to lease project 66 mi. extension of Pecos and Northern railroad from Hale Center to Parmerton.

### Railway Shops and Terminals

Tex., Smithville—Missouri-Kansas-Texas Lines, F. Ringer, Ch. Engr., St. Louis, Mo., erect \$32,000 water-treating plant.

### Roads, Streets and Paving

In connection with LAND DEVELOPMENT large sums are expended for roads, streets, paving and sidewalks. Details will be found under that classification.

### Proposed Construction

Ala., Birmingham—Jefferson County Bd. of Revenue receives bids May 29 to grade and pave with conc. or bit. 13 roads; C. J. Rogers, County Highway Engr.

Ala., Hartsboro—G. P. Walker, Mayor, receives bids May 31 for 2400 cu. yd. excavation, 5850 sq. yd. conc. and rock asphalt paving, 1350 lin. combined curb and gutter, 600 lin. ft. storm sewers; Robt. L. Totten, Inc., Consit. Engrs., B-M Bldg., Birmingham, Ala.

Ala., Mobile—State Highway Dept., Montgomery, considering 3 roads: Mobile to Calvert; Mobile to Citronelle; Mobile to Wilmer; \$5,000,000 Mobile County bond issue available.

Ark., Hot Springs—City Council approved petition to form Street Improvement Dist. 116, to pave Exchange and Mountain St.; Mayor McLaughlin.

Ark., Marianna—State Highway Comm., Little Rock, may complete Highway 3, Moro to Highway 20.

Ark., Pine Bluff—County Judge, R. H. Williams, authorized Jefferson County Road Improvement Dist. 26 to build 9 mi. gravel road, from near Sherrill to Pastoria, and west to connect with Plum Bayou road; \$100,000.

Ark., Prescott—City Council plans paving, curbing, guttering and grading streets in Sixth Improvement Dist.

Fla., Pensacola—Escambia County Comm. plans \$600,000 to improve 5 roads: Hard surface road from Atmore to Flomaton Turnpike; from bridge at Muscogee to Flomaton road; east end of Lillian Bridge to West Pensacola; Barrancas road, to West Pensacola road; from Gulf Beach highway to Innerarity point. See Financial News.

Ga., Augusta—City plans grading and paving 7 streets and alley, including Heath, Wilson.

Ga., Ashburn—City, J. J. Story, Clk., receives bids May 22 to improve 5 streets, including Main, Gordon, College; 4400 cu. yd. excavation; 18,000 sq. yd. roadway pavement, 5000 sq. yd. conc. paving, 1750 lin. ft. 15 to 6200 lin. ft. 6x18-in. conc. curb and gutter, 30-in. storm drains, 17 inlet basins, 2 manholes, etc.; J. B. McCrary Engineering Corp., Atlanta.

Ga., Atlanta—City received low bid from C. A. Pittman Construction Co., Rhodes Bldg., \$16,672, for 6659 sq. yd. paving on 5 streets; plans widening Peachtree St. 20 ft., Ivy to Baker.

Ga., Dawson—Terrell County will grade Highway 50, Dawson to Shellman road.

Ky., Paducah—State Highway Comm., Frankfort, receives bids May 23 for 12,177 cu. yd. dirt on Benton road, McCracken County.

Ky., Paducah—E. R. Bradshaw, Commr. of Public Works, receives bids May 22 to grade, drain, curb, gutter and pave with rein. cement conc., rock asphalt, Warrenite bitulithic, sheet asphalt or brick, on cement conc. base, Myers, Bridge and Madison St.; 4875 cu. yd. excavation, 2280 lin. ft. conc. or granite curb, straight, 2900 lin. ft. conc. gutter, 20,360 sq. yd. pavement.

La., Alexandria—City considering paving with rock asphalt on present gravel base, Polk St., Bolton Ave. to Twenty-second St.; brick on conc. base, conc. gutters, Marye St., Rush Ave., to city limits.

La., Gretna—Henry A. Mentz, Consit. Engr., Hammond, La., receives bids June 2 for 11,500 sq. yd. conc., asphalt or brick paving, storm drainage, curb and gutter.

La., Lake Charles—E. L. Gorham, Commr. of Streets, plans rein. conc. paving, Bilbo St., Kirby to Broad.

La., Lake Charles—Harry J. Geary, Mayor, receives bids May 20 to re-surface Ryan St., Belden St. to Pithon Coulee, with Uvalde rock asphalt; E. L. Gorham, City Engr.

La., Shreveport—City Comm. receives bids June 12 to pave Carrie St., Kingshighway to Greenwood road.

La., Shreveport—City Comm. received low bid from Fleniken Construction Co., Cahn Bldg., Shreveport, \$9318, to pave Mertis Ave., Penick to Milton; M. Hyman, Shreveport, \$18,786, to pave Caddo St., Douglas to Texas & Pacific R. R.

Maryland—State Roads Comm., Baltimore, received low bids for 6 roads: Baltimore County—1.5 mi. conc., Longnecker Rd., near Glyndon toward Dover, Thomas, Bennett & Hunter, Westminster, \$31,082; Howard County—33 mi. conc., Cherry Lane, New Cut road to Cont. Ho-28, Ward & O'Connell, New Amsterdam Bldg., Baltimore, \$7600; Anne Arundel County—3.51 mi. conc., Patapsco River Bridge to Linthicum, and Hammond Ferry road to Pumphrey, Ward & O'Connell, \$57,136; Harford County—19 mi. conc., through Pylesville, including rein. conc. bridge over Broad Creek, Forbes-Murphy Construction Co., Baltimore, \$26,457; Cecil County—2.5 mi. conc., Calvert toward Bay View, Thomas, Bennett & Hunter, \$42,648; Somerset County—1 mi. conc. point near Princess Anne toward Mt. Vernon, Layfield & Waller, Salisbury, \$17,955. 4-26

Maryland—State Roads Comm., Baltimore, receives bids May 29 for 6 roads: Washington County—78 mi. macad., Cascade to Camp Ritchie, Cont. W-58; Montgomery County—84 mi. conc. along Georgia Ave., through Silver Springs, Cont. M-110; Anne Arundel County—1.45 mi. conc., Millersville toward Gambrills, Cont. AA-57; Harford County—1 mi. conc. between Federal Hill and Clermont Mills, Cont. H-66; Queen Annes County—1 mi. conc., Queen to Starr, Cont. Q-41; Anne Arundel County—2.5 mi. conc. shoulders, along Camp Meade road, Pumphrey to Stoney Run, Cont. 314-A.

Md., Baltimore—Bd. of Awards receives bids May 23 to grade, curb and pave with 12,000 sq. yd. sheet asphalt on conc. base streets in Cont. 461; grade and pave with 25,000 sq. yd. cement conc. footways in Cont. 107; Nathan L. Smith, Highways Engr.

Md., Baltimore—Bd. of Estimates plans \$57,400 to pave 5 streets, avenues, including Belmore, Chesterfield Ave.; approved expending \$43,500 to pave footways; Nathan L. Smith, Highways Engr.

Miss., Bay Springs—Mayor and Bd. of Aldermen plan \$16,000 for street paving. See Financial News.

Miss., Hattiesburg—Forrest County Bd. of Supvrs., Dr. B. E. Green, Pres., plans surfacing 2 roads, totaling 50 mi., \$1,500,000. See Financial News.

Miss., McComb—Bd. of Mayor and Selectmen plan receiving bids soon to pave 5 streets, including Michigan, Delaware Ave.

Miss., Pascagoula—City considering \$30,000 for hard surface sidewalks, gutters, curbs on Telephone St., Pascagoula St. to county fair grounds.

Mo., Independence—Jackson County receives bids soon for 20,854 sq. yd. vibrated conc. paving, Holmes road, \$25,000; L. H. Koehler, Engr.

Mo., Independence—Jackson County plans expending \$6,500,000 for conc. roads. See Financial News.

Mo., Jefferson City—City Council plans improving Moreland Ave. and Benton St.; re-surface Lafayette St., Capitol Ave. to Water St.; establish grade and improve Dunklin St., Mulberry to city bridge.



Mo., Joplin—City plans 14,900 sq. yd. one-course conc. paving, Pearl St., \$30,000; receives bids soon for 17,200 sq. yd. conc. paving, Wall St.; S. P. Ashcraft, Engr.

Mo., Kansas City—Matthew S. Murray, Director of Public Works, received low bid from G. G. Roubush, 2739 N. 11th St., \$22,941, for 8-in. base, 2-in. lake asphalt surface, Main St.; from P. J. Hughes, 210 Keith and Perry Bldg., \$10,979 for 8-in. conc. Walnut St.

Mo., Lathrop—City plans \$25,000 for curbing, guttering and \$500 sq. yd. conc. paving; J. W. Shikles & Co., Engrs., 708 New York Life Bldg., Kansas City.

Mo., Neosho—City plans letting contract soon to pave Hickory St., Jefferson to Wood; plans paving Hickory, Hamilton to St. John; St. John, Hickory to McKinney.

Mo., New Madrid—State Highway Comm., Jefferson City, plans building 4 roads: Clarkton-Gideon-Portageville-Linda; Townley-Parma-Lilbourn; Parma-Risco; Morehouse-Canaul road.

Mo., St. Charles—City Council plans curb and gutter on Lindenwood Ave., Seventh St.; grade and pave with bit. macad. Adams and Ninth St., etc.

Mo., St. Charles—St. Charles County Court appropriated \$22,500 to improve 8 roads in St. Charles Township.

Mo., St. Joseph—Bd. of Public Works considering resurfacing N. Third St., Francis to Franklin.

Mo., St. Louis—Bd. of Public Works receives bids soon for grading and 46,000 sq. yd. conc. paving, alleys in 34 blocks; \$138,650; for 26,080 sq. yd. amiesite, asphalt, vibrolithic, rein. or asphaltic conc. paving; W. W. Horner, Engr.

N. C., Asheville—City Comm. approved expending \$59,343 to pave West Chestnut St., Broadway to Flint, and construct Chestnut St. Viaduct; Stanley H. Wright, City Engr.

N. C., Durham—City plans \$300,000 for street paving, including Roxboro road, Geer, Knox, Acadia St. See Financial News.

N. C., Monroe—State Highway Comm., Raleigh, will let contract latter part of May to complete 17 mi. hard surface Pageland road, from Monroe, Union County, to South Carolina line; plans paving 16 mi. Lancaster road, from Monroe to county line.

N. C., Wilmington—New Hanover County Commrs., Addison Hewlett, Chmn., plan treating highways with 60,000 gal. Tarvia, including Old Wrightsville Turnpike.

Okla., Ardmore—City considering \$30,000 for 10,100 sq. yd. grading, conc. paving, North Washington St.; S. Mathews, Engr.

Okla., Chickasha—City plans \$28,472 for 8700 sq. yd. grading, conc. paving, Nineteenth and Wyoming St.; \$46,360 for 15,250 sq. yd. Nevada Ave.; R. O. Bradley, Engr.

Okla., Geary—City plans \$38,860 for 15,460 sq. yd. grading and conc. paving, Dist. 2; Long & Co., 1300 Colcord Bldg., Oklahoma City.

Okla., Hugo—R. L. Jones, Mayor, plans \$100,000 to resurface 30 blocks, business dist., 49 to 76 ft.

Okla., Norman—City plans \$36,360 for 11,100 sq. yd. conc. paving and grading, Wyoming and Colorado St.; F. Cobb, Engr.

Okla., Pawhuska—City plans \$41,000 to grade and pave 10 blocks on Eleventh St., 30 ft. wide; J. N. Bockley, Engr.

Okla., Perry—City plans \$28,072 for 9100 sq. yd. grading and conc. paving, Dist. 18; C. A. Wood, Engr., Stillwater.

Okla., Ponca City—City plans \$31,266 for 6400 sq. yd. grading, vertical fibre brick paving; H. W. Crawford, Engr.

Okla., Purcell—McLain County plans expending \$40,000 to grade 8 mi. Purcell-Washington road, 28 ft. wide; J. H. Purcell, Engr.

Okla., Sayre—Meckham County plans \$68,000 to grade and gravel 2 roads 7 mi. Road 5; 9 mi. Road 11, both 28 ft. wide; R. N. Higgins, Engr.

Okla., Shawnee—City plans 15,110 sq. yd. grading, sheet asphalt paving, \$68,310; Archer & Co., Engrs., New England Bldg., Kansas City, Mo.

Okla., Stigler—State Highway Comm., Oklahoma City, plans road from Stigler, Haskell County, to Wilburton, Latimer County; south from Stigler to Lequire, west on State Highway 43 to point west of Kinta, then south to Wilburton.

Okla., Tahlequah—Cherokee County considering highway through Park Hill connecting with bridge across Illinois River, Standing Rock; steel bridge across Campbell Spring branch.

Okla., Tulsa—City Comm. receive bids soon to surface 7 paving districts, including Twenty-fourth Place, Haskell St.

Okla., Wellston—City, M. A. Nash, Mayor, plans grading, paving 8 blocks, Main St., 30 to 76 ft., \$40,000.

South Carolina—State Highway Comm., Columbia, receives bids May 29 for 8 roads and 7 bridges, culvert: Dorchester County—6 mi. grading, draining, 18-ft. Portland cement conc. pavement, Rosinville to St. George; Greenwood County—6.7 mi. Route 25, end of pavement near Greenwood toward Edgefield; Anderson County—8.4 mi. Route 20, Elton to Honea Path; Pickens County—5.2 mi. Route 2, Easley to Liberty; Anderson County—2.4 mi. grading, Route 20, Pelzer to Williamson; 14.4 mi. grading, Route 151, Anderson to Williamson; Charleston County—6 mi. grading, sand-clay surfacing, Route 40, McClellanville to Santee; Pickens County—5 mi. grading, Route 2, Liberty to Central; Charleston-Colleton Counties—refloor Edisto River bridge, Route 17; Chester County—75-ft. rein. conc. Rocky Creek Bridge; widen conc. bridge in place; rein. conc. 12x12 ft. culvert, Grassy Run Creek, Route 21, Chester to York County line; Anderson County—3 rein. conc. bridges, Route 15, between Anderson and Clemson Collg.; 175-ft. over Six and Twenty-Mile Creek; 125-ft. over Hurricane Creek; 240-ft. over Three and Twenty-Mile Creek; Kershaw County—185-ft. treated timber bridge Longtown road.

S. C., Greenville—Greenville County Highway Comm., B. F. Rush, Chmn., receives bids May 22 to topsoil and prepare for surface treating 103 mi. cross-country roads; 90,000 cu. yd. topsoil; Dalton & Neves, Engrs., Cleveland Bldg.; will sell bonds.

Tenn., Camden—Dept. of Highways and Public Works, Nashville, plans \$82,200 to build and maintain roads in Benton County.

Tenn., Covington—Tipton County Highway Comm. plans \$1,000,000 to gravel or hard surface 125 mi. roads. See Financial News.

Tenn., Knoxville—Dept. of Highways and Public Works, Nashville, receives bids May 22 for sidewalks, curbing, gutter, Washington Pike, Nadie St. to Whittle Springs road to Belle Morris School.

Tenn., Lafayette—Dept. of Highways and Public Works, Nashville, considering extending road from Lafayette via Union Camp, to connect with Route 56, Camp Gibbs Cross Roads.

Tenn., Trenton—Gibson County considering gravel surface road, following course of old Medina and Humboldt road, cross Mississippi Valley conc. road, Medina, then west to Madison County line.

Texas—State Highway Comm., Austin, receives bids May 25 for road, bridge and approach: Robertson County—1.606 mi. grading, gravel surfacing State Highway 43, from Hearne, west 23,666 cu. yd. excavation and borrow, 12,990 lb. rein. steel; Dallam County—340 mi., twelve 17-ft. timber panels and earth approaches, State Highway, 517,550 cu. yd. excavation and borrow.

Texas—State Highway Comm., Austin, receives bids May 24 for 163.37 mi. one-course asphalt surface treatment on 15 roads in Bowie, Cass, Morris, Titus, Red River, Franklin, Lamar, Collin, Ellis, Palo Pinto, Wise, Cooke, Panola, Rusk, Upshur, Wood counties.

Texas—State Highway Comm., Austin, receives bids May 25 for 2 roads and bridge: Wharton County—23.259 mi. conc., Highway 12, Jackson County line to point west of Wharton, 380,916 sq. yd., grading, subgrade and shoulders, 1,074,380 lb. rein. steel; Zavalla County—five 101-ft. and 20-ft. through steel trusses, with six 40-ft. and 20-ft. conc. girder approaches; rein. conc. abutments, piers and bents, 168,497 lb. rein. steel, 495,000 struct. steel on 48 mi. Highway 55; Hall County—2,052 mi. conc., Highway 55, from Masey St., Estelline to Childress County line, 31,310 sq. yd. gradng, subgrade and shoulders, 21,926 sq. yd. conc. paving, 47,916 lb. rein. steel.

Texas—State Highway Comm., Austin, receives bids May 25 for 4 roads, 2 bridges and approach: Hopkins County—17 mi. conc., Sulphur Springs to county line; Tom Green County—15.5 mi. conc., San Angelo toward Ballinger; Montgomery County—17 mi. grading, draining, Highway 35; Panola County—15.5 mi. grading, draining, Highway 64; Harris County—bridge over Spring Creek, Houston-Conroe Highway 19; Maverick County—bridge and approaches, Highway 85, near Eagle Pass.

Tex., Austin—Travis County Commrs. Court, J. A. Belger, County Auditor, receives bids June 2 to asphalt top 2 roads, Commrs. Precinct 2; Pfingerville road, 52,118 sq. yd.; Upper Georetown, 65,296 sq. yd.; O. Leonard, County Engr.

Tex., Ballinger—City Comm. plans paving 8 additional blocks in business district.

Tex., Brady—City, E. L. Jones, Mayor, receives bids in June for 33 blocks paving in 8 new districts; \$90,000.

Tex., Brownsville—Harlingen, Point Isabel and San Benito Precincts, Cameron County, receive bids soon for road building; funds available from \$1,000,000 bond sale.

Tex., Bryan—J. Bryan Miller, City Mgr., receives bids May 22 for 13,000 sq. yd. rein. conc., limestone rock asphalt wearing surface, rein. conc. base, or asphalt macad. wearing surface, iron ore gravel base; 5430 lin. ft. curb and gutter, storm sewers, etc.

Tex., Burnet—Burnet County Commrs. Court plans \$33,000 to improve lateral roads in Commrs. Precinct 3. See Financial News.

Tex., Comanche—Comanche County, R. A. Luker, Judge, plans \$135,000 for 2 roads on State Highway 10; 15,154 mi. Federal Aid Project 247 A; 9,667 mi. Sec. B; W. H. Garrett, Engr.

Tex., Conroe—State Highway Comm., Austin, let contract May 24 for grading and drainage structures, Highway 35, Montgomery County, airline route between Houston and Shreveport and on to Memphis gateway; \$100,000.

Tex., Corpus Christi—Nueces County, Nat Benton, Judge, receives bids May 19 for lateral roads and bridges; Calvin E. Cooke, County Engr.

Tex., Corpus Christi—City Council plans \$112,467 for improving road, Port Ave., from Leopard St. to port; Sec. 2, from Leopard to Broadway; Sec. 3, across flats; storm drain; H. L. Shaw, City Engr.

Tex., Dallas—City Plan Comm. approved plans to widen to 70 ft. Live Oak St., Hale to Haskell St.; open and widen Lagow St., Fair Park to Scylene road; extend Beaumont St. 300 ft., from Santa Fe R. R. to Cockrell.

Tex., Dallas—City plans expending \$400,000 to widen S. Akard St., Wood to Corinth; E. A. Wood, City Engr.

Tex., Dallas—City plans paving Holmes St., Pear to city limits.

Tex., El Paso—State Highway Comm., Austin, probably receive bids in 2 weeks for 2 roads: Grade, structures and surface 20 mi. El Paso-Carlsbad Highway; 12½ mi. grade and structures, Bankhead Highway.

Tex., Fort Worth—O. E. Carr, City Mgr., plans widening Caney St., 20 ft., and extending through to T. C. U.; paving 5 streets, including W. Seventh, May.

Tex., Gainesville—Cooke County plans road building. See Financial News.

Tex., Gonzales—State Highway Comm., Austin, considering asphalt highway from Gonzales through Waelder to Fayette County, if widened 60 to 80 ft.

Tex., Houston—City Planning Comm. approved plans to widen to 60 ft. and pave Washington Ave.; \$443,000; J. C. McCea, City Engr.

Tex., Memphis—State Highway Comm., Austin, receives bids May 25 for 2,032 mi. conc., Highway 5, Estelline to Childress County line, Hall County.

Tex., Meridian—Bosque and McLennan counties considering hard surface road, Cleburne to Meridian, via Kopperl and Morgan.

Tex., Odessa—City plans \$60,000 permanent paving; Devigne Engr. Co., 127 Central Bldg., Amarillo.

Tex., Panhandle—Carson County, A. A. Callaghan, Judge, plans 9.83 mi. 18-ft. conc., Highway 33; \$200,000; E. M. Fuller, Engr.

Tex., Richmond—Fort Bend County plans 15,955 mi. grading, bridges, Highway 3; \$80,000; B. E. Hedick, County Engr.

Tex., San Antonio—Fred Fries, City Clk., considering widening 60 to 100 ft., curbing, paving and laying sidewalks, on S. Flores St., Nueva to Pleasanton road.

Tex., Tyler—Smith County, W. D. Pace, Judge, plans several miles asphalt surface, Jim Hogg Highway, northern part of county; \$10,000 available.

Virginia—State Highway Comm., Richmond, receives bids May 29 for 2 roads: Tazewell County—44 mi. grade and drain road, from point north of Wardell, 4442 cu. yd. excavation; Wise County—bit. material on road from Coeburn, 35,900 sq. yd.

Virginia—State Highway Comm., Richmond, received low bids for 2 roads: Northampton County—6.2 mi. conc., Route 34, Shadyside, north, Roberts Paving Co., Salisbury, Md., \$153,888; Clarke County—37 mi. road, Route 36, from Millwood, John T. Harvey Co., Lynchburg, \$18,170, rock asphalt; \$17,988, cold mix bit. conc., \$17,563, bit. macad. 5-3

Va., Norfolk — I. Walke Truxtun, City Mgr., plans receiving bids soon for Norview Ave., between Fifteenth View and Ninth View St., Willoughby's second roadway; \$137,000. 5-3

Va., Norfolk—City of Norfolk, I. Walke Truxtun, Mgr., and Princess Anne County plan improving road from pumping station, at waterworks to city's property at Lake Smith; City may expend \$13,000 to \$20,000 for macad. road; Princess Anne County Assn. will pave from Lake Prince to Ocean Park.

Va., Suffolk—City plans \$60,000 street paving. See Financial News.

W. Va., Fairmont—Marion County Court, Lee N. Satterfield, Clk., receives bids June 11 for 5 roads in Union Dist.: Millersville road—1925 lin. ft. grading, draining, conc., Telford or broken stone base, Amiesite top or other material, paving; 2 mi. Benton's Ferry or Pleasant Valley road; 2.1 mi. Colfax road; 7.800 lin. ft. Hammond road; S. A. Shuttlesworth, Dist. Engr.

W. Va., Huntington—Cabell County Court, Irvin Morrison, Pres., receives bids June 2 to surface with gravel, slag or crushed stone, 4 highways in Barboursville Dist.: 10,268 tons Ohio River gravel, 7530 tons slag or 6844 cu. yd. crushed stone, 26,400 lin. ft. grading; J. M. Oliver, County Road Engr.

W. Va., Kingwood—Road Comm., Charleston, received low bid from Polino Construction Co., Keyser, \$58,969, to grade and drain 7 mi. Fellowsville-Tunnelton road.

#### Contracts Awarded

Ala., Birmingham—City Comm. contracts, \$130,654, to pave 18 streets: Southern Roads Co., Pioneer Bldg.; Dooley Construction Co., H. N. Bowdry, Ala. Power Bldg.; Independent Paving Co., 3828 First Ave.; Wesco Co., Dunn Construction Co., Lincoln Life Bldg.; Paul Richter, 1805 Pearson Ave.; Fromhold Brothers, W. H. Pattie, 1556 N. 23rd St. 5-3

Ala., Uniontown—City, reported, let contract to Connors Steel Co., Empire Bldg., Birmingham, for 100 tons rein. steel for street paving.

Ala., Vernon—State Highway Dept., Montgomery, let contract to Nixon & Phillips Construction Co., Pineville, for 2 roads: 14.33 mi. grading, draining, gravel, surfacing, Millport to Vernon, \$116,887; 19.92 mi. Vernon to Fayette, \$131,118; to Morgan-Hill Paving Co., Woodward Bldg., Birmingham, Ala., \$39,176, for bridges, Vernon road.

Ark., Little Rock—Comms. of Street Improvement Dist. 492 let contract to P. F. Connelly Paving Co., Home Ins. Bldg., \$30,000, for 11,300 sq. yd. conc. paving. 4-19

Fla., St. Augustine — St. Johns County Comms. let contract to Atlantic Shell Co., Lynch Bldg., Jacksonville, \$1.30 per cu. yd. for shell base on Road 9, Mill Creek to Picolata; Consumers' Lumber Co., St. Augustine, \$38 per 1000 ft. for cypress curbing. 5-3

Fla., St. Petersburg — Noel-Hopping Co., 2330 Fifth Ave. S., has contract to pave Seventeenth Ave., Seventh to Eighth, with No. 1 special brick.

Ga., Brunswick — McDonald Construction Co., Savannah, Ga., has contract to clear and pave streets in Glynn Isle, from Long Island drive to beach.

La., Bastrop—City Clk. let contract to R. L. Young, for 10 blocks asphalt paving. 4-26

La., Lake Charles—Calcasieu Parish Police Jury, E. R. Henry, Clk., let contract to E. M. Lewis, Lake Charles, for 6 mi. gravel Sub-Road Dist. 1, Ward 6. 4-26

Miss., Forest—Mayor and Bd. of Aldermen let contract to Merrill Engineering Co., Lamar Bldg., Jackson, \$46,688, for 28-ft. vibro-lithic paving, reinforced with steel bars; storm sewers, water mains, curb. 4-19

Miss., Jackson — Hinds County Bd. of Supvrs. let contract to Hampton, Kinnard & Hampton, Jackson, \$101,642, for grading and bridges, Jackson-Peachontas road. 4-19

Miss., Ocean Springs—Miller-Hutchinson Co. has contract for convex-type seawall, and road protection work, with 30-ft. driveway, along shore front of Ocean Springs.

Missouri—State Highway Comm., Jefferson City, let contract for 22 roads: Livingston County—4.104, 2.864 mi. 18-ft. conc., Route 36, Dobson & Robinson, Lincoln, Neb.; New Madrid County—4.979, 5.000, 3.390, 1.005, 1.077 mi. 18-ft. conc., Route 61, A. A. Davis & Co., 465 Westover Bldg., Kansas City; 430 mi. 18-ft. gravel, Route 61, A. A. Davis; Scott County—687 mi. Route 61, A. A. Davis; Andrew County—1.944 mi. 30-ft. graded earth, Route 71, W. A. Auram, Des Moines, Iowa.; Cooper County—1053 5-ft. conc. gutter, Route 40, J. M. DeJarnett, 520 W. Second St., Sedalia; Crawford County—4.424 mi. 18-ft. gravel, Route 8, Allen &

Kallmeyer, Glasgow; Schuyler County—4.940 mi. 18-ft. gravel, Route 63, Frank Platt, Quincy, Ill.; Stone County—3.818 mi. 18-ft. gravel, Route 43, R. H. Sharp, Reed Springs; Warren County—680 mi. 18-ft. gravel, Route 47, J. P. Sparks, Kirkwood; Gentry County—4.476 mi. 30-ft. graded earth, Route 29, Geo. W. Condon Co., Omaha, Neb.; McDonald County—559 mi. and 4.721 mi. 30-ft. graded earth, Route 88, W. A. Ross Construction Co., 209 Uptown Bldg., Kansas City—Oregon County—1.444 mi. 30-ft. graded earth, Route 63, Carte-Harlin Co., West Plains; Reynolds County—3.041 mi. 30-ft. graded earth, Route 72, F. T. O'Dell, Hannibal; St. Louis County—1.126 mi. graded earth, Boone & Worman, St. Louis.

Mo., Jackson—Tidd & Cole have contract for 12,000 yd. paving.

Mo., Jefferson City—City Council let contract to Louis Brunner, \$6230, to improve Russell Ave., Monroe to Jackson.

Mo., St. Louis—Bd. of Public Works let contracts, \$239,229, to pave 14 streets, asphalt and asphaltic conc.: Trinidad Asphalt Manufacturing Co., Bridges Asphalt Paving Co., Title Guar. Bldg.; C. A. Moreno, Synd. Tr. Bldg. 5-3

Okla., Elk City—Standard Paving Co., 2119 E. 11th St., Tulsa, has contract, \$41,997, for 11,510 sq. yd. 6-in. conc. paving.

Okla., Seminole — Standard Paving Co., 2119 E. 11th St., Tulsa, has contract, \$60,000, for 19,000 sq. yd. 7-in. conc. paving.

Tex., Corsicana—Navarro County, F. Warren Hicks, Judge, let contract to F. P. McElwath, Corsicana, \$369,925, for 7 lateral roads, totaling about 22.4 mi. and bridges, using rein. steel bars and treated timber.

Tex., Edinburg—Hidalgo County Comms. Court, L. E. Tinkler, Auditor, let contract to W. L. Pearson & Co., Post-Dispatch Bldg., Houston, \$734,327, to pave 5 roads, totaling 37 mi. in Dist. 6, McAllen Dist. 5-3

Tex., Galveston — Innocenti Electric Co., has contract, \$24,683, to light Galveston-Houston road, Virginia Point to city limits; 40 lights from city limits to causeway, 76 lights on bridge.

Tex., Houston—City, W. A. Moore, Sec., let contract to Uvalde Rock Asphalt Co., Santa Fe Bldg., San Antonio, \$69,770, to pave Bellaire Blvd., 2-in. rock asphalt, conc. base; A. M. Arnold & Co., Houston, \$50,710, 2-in. rock asphalt, conc. base, Crockett and Hogan St.; Scott Shambaugh, 203 Larendon Bldg., Houston, \$139,499, 2-in. rock asphalt, Shepherd Drive; 176-ft. steel and conc. Brays Bayou Bridge, Forest Hill Drive. 5-3

Tenn., Knoxville—R. S. Freeman Construction Co., 2701 Magnolia Ave., has contract, \$8441, to grade and drain Campbell road, Kingston Pike to Hines Valley.

W. Va., Hinton — Brown-Murphy Co., Princeton, has contract for Hinton to Alderson road; Janutolo Co., has contract to hard surface Willow Wood to Lowell road.

#### Sewer Construction

**Sewer construction in LAND DEVELOPMENT projects involves the expenditure of large sums of money. Under that classification details of these improvements are reported.**

Ala., Birmingham—J. J. Goddard, 436 N. Powell St., has contract at \$10,593 for sanitary sewers in Inglenook.

Ark., Cotton Plant—See Water Works.

Ala., Hartsboro—See Roads, Streets, Paving.

Fla., Jacksonville — Shearman Concrete Pipe Co., Inc., Station A, Box 2083, has contract for 40,000 ft. 8-in. and 15,000 ft. various size pipe up to 24-in. for sanitary sewer extension; Joe Riemertson, 901 E. Washington St., Orlando, contract for construction.

Ga., Ashburn—See Roads, Streets, Paving.

Ga., Atlanta—C. M. Holland, Pur. Agt., Fulton County, Room 507, Courthouse, receives bids May 18 for Lloyd St. trunk sewer. See Want Section—Bids Asked.

Ga., Atlanta—Hornbuckle Contracting Co., Inc., 801 McGlawn-Bowen Bldg., low bidders at \$12,000 for Candler Park sewer system; 400 ft. of 6-in., 11-ft. of 54-in., 250 ft. of 3-in., 75 ft. of 18-in. 1000 ft. of open channel, with approximately 2000 cu. yds. earth excavation, with pipe lines and channel construction. 5-10

Ky., Owensboro—Consoer, Older & Quinlan, Architects-Engrs., 140 S. Dearborn St., Chicago, Ill., will prepare plans and specifications and estimates for sewer project.

La., Opelousas—City receives bids June 5 for constructing sewage disposal plant con-

sisting of tank and filter beds. See Want Section—Bids Asked.

Miss., Clinton—City receives bids in June for disposal plant, sewer system, settlement tank and sand filters. Morgan & Co., Inc., Engrs., Edwards Bldg., Jackson.

Miss., Forest—See Roads, Streets, Paving.

Miss., Pelahatchie—City having plans prepared for sewer system; bids in July; Morgan & Co., Inc., Engrs., Edwards Bldg., Jackson.

Md., Baltimore—Bd. of Awards receives bids May 23 for sanitary sewers and storm drains in various sewer districts. See Want Section—Bids Asked.

N. C., Shelby—City receives bids May 31 for sewer improvements. 4-26. See Want Section—Bids Asked.

Okla., Lone Wolf—Standard Paving Co., 1742 E. 6th St., Tulsa, has contract for sanitary sewerage system. 4-5

Okla., Marlow—City plans sanitary sewer extension; V. V. Long & Co., Engrs., Colcord Bldg., Oklahoma City; voted \$13,800. 4-12

Okla., Oklahoma City—W. B. Carter, 1509 E. Admiral St., Tulsa, low bidder for sanitary main and lateral sewers in Oliver Park Addition; Tom Green, 125 S. Clegern St., Oklahoma City, low bidder for storm sewer to serve S. Oklahoma City. 4-19

Okla., Ponca City—Woodward Construction Co., Woodward, has contract for sanitary sewers in Dist. 59.

Okla., Ponca City—City plans vit. clay sewers in Hartman Addition; H. W. Crawford, Engr.

Okla., Shawnee—City plans vit. clay sewers in Dist. 111; E. T. Archer & Co., Engrs., New England Bldg., Kansas City, Mo.

Tenn., Dresden—Town votes Aug. 15 on \$30,000 sewer bonds.

Tex., Bryan—See Roads, Streets, Paving.

Tex., Fort Worth—McKenzie Construction Co., 3600 E. First St., has contract at \$69,373 for 61,000 ft. sanitary sewers in West Arlington Heights; Standard Construction Co., at \$22,865 for storm sewer Carson Ave.; R. J. Estep & Co., Praet. Bldg., Dallas, at \$52,084 for storm sewer on Evans Ave.

Tex., Freeport—City let contract to Municipal Engineering Co., Athletic Bldg., Dallas, for sewer system on 10% basis, engineering company to furnish free all equipment and men; city purchased under competitive bidding 40,000 ft. of 6-in. and 8-in. tile, 10,000 ft. of 6 and 8 in. c.i. pipe, manhole rings, covers, brick and cement and 8 pumps (4 duplex) at cost of \$40,000; \$70,000 available. 4-19

Tex., Galveston—City, reported, soon receive bids for lateral sewers in Ave. G and H, and 39th and 40th Sts.

Tex., Houston—Charles K. Horton, 2202 Clay St., has contract for Brays Bayou intercepting sanitary sewer.

Tex., Port Neches—See Water Works.

Tex., San Antonio—McKenzie Construction Co., Travis Bldg., has contract for Martin St. storm sewer; Walsh, Burney & Moore, Frost Bldg., for Cunningham St. retaining wall.

Tex., San Antonio—See Water Works.

Tex., San Antonio — Walsh, Burney & Moore, Inc., 618 Frost Bldg., has contract for retaining wall on Cunningham St.; McKenzie Construction Co., Travis Bldg., for Banks and Dowdy St. storm sewer and Martin St. and Ave. E storm sewers.

Tex., Sweetwater—City having preliminary surveys made for sewer extensions; Terrell Bartlett, Engrs., Calcasieu Bldg.

Tex., Turkey—M. R. Diggs, 702 N. Glasgow St., and associates, Dallas, granted 50 yr. sewer franchise; install sewer system; C. L. Hasie, Memphis, Tex., Engr.

W. Va., Princeton—City plans voting on sewer bonds; J. B. Harrington, Asst. Sanitary Engr.

#### Telephone Systems

Ky., Shopville — Shopville Telephone Co., Incorporated; Willis Sears, H. H. Hansford.

#### Textile Mills

Ala., Anniston—Gallivan Const. Co., Gallivan Bldg., Greenville, S. C., reported, has contract for addition to weave shed and picker room of Anniston Mfg. Co.; J. E. Sirrine & Co., Greenville, S. C., Engrs. 4-26

Ala., Birmingham—Alabama Mills Company offering \$3,000,000 first mortgage sinking fund gold bonds, Series A, 6½%, through Caldwell & Co., Nashville, Tenn.; proceeds to be used for acquisition of properties, machinery and equipment and for working capital. 5-10



Ala., Florence—John S. Johnston, Union, S. C., representing Sidney M. Edelstein & Co., Industrial Engrs., Union, interested in establishment of rayon mill; outside interests to furnish \$75,000 of machinery and city to raise \$75,000.

Ga., Brunswick—Frank W. Van Ness & Associates, 320 Broadway, New York, advise Bureot Products Co., which acquired 6 buildings and 20 acres land of picric acid plant, will process cloth purchased from cotton mills by special process and market the product; said to increase strength of cloth making it waterproof and acid resistant, for use for fertilizer bags and cement bags; will be in operation and have cloth ready for delivery in about 4 months. 4-26

Ga., Calhoun—J. E. Sirrine & Co., Engrs., Greenville, S. C., have released plans for extension to main mill, warehouse building and attached opener room for Echota Cotton Mills; bids will be opened by J. E. Sirrine & Co., Engrs., on May 22; mill extension, 1 story, brick, daylight construction, 185x154 ft.; 2-story warehouse, brick, standard mill construction, 100x100 ft.; opener room, 1 story, brick, 25x100 ft., same construction. 5-3

Ga., Calhoun—Calhoun Cotton Mills receives bids May 22 for mill unit; brick walls, steel and wood joist, built-up roof, steel sash and doors, sprinkler system. Contractors estimating are: Norwood Griffin & Co., Bona Allen Bldg., Atlanta; LaGrange Lbr. and Supply Co., LaGrange; C. M. Guest & Son, N. McDuffie St., Anderson, S. C.; Fiske-Carter Construction Co., Masonic Temple Bldg.; Gallivan Bldg. Co., Gallivan Bldg.; Angle-Blackford Co., and Potter-Shackelford, Inc., Allen Bldg., all Greenville, S. C. 4-26

Ga., Waycross—Interests associated with Troy Cotton and Woolen Manufactory, Inc., B. H. Hamilton, Pres., Fall River, Mass., let contract to Ingalls Iron Works, 720 Ave. D, Birmingham, Ala., for 4500 tons steel, 1500 tons for each unit of textile mill to be built rate of unit a year for 3 yrs.; machinery to be removed from New England mill; date of first delivery of steel not set; other contracts include: Walter Knapp & Co., Inc., 207 E. 43d St., New York, for electrical work; H. H. Robertson Co., 1st Natl. Bldg., Pittsburgh, Pa., for roofing. 3-10

Mo., Cape Girardeau—Maurice L. Stern and associates, Joliet, Ill., acquired American Gauze & Cotton Co.

N. C., Albemarle—Lillian Knitting Mills Co. plans 60x110-ft. addition; install full fashioned knitting machines; increased capital to \$250,000.

N. C., Belmont—Stowe Thread Co. will let contract May 24 for \$60,000, 1 story, brick plant, 130x360 ft.; R. C. Biberstein, Engr., 1614 Elizabeth Ave., Charlotte. 4-5

N. C., Burlington—B. V. May Hosiery Mills, Inc., started work on full fashioned hosiery mill; 1 story, brick, mill type, saw-tooth roof, first unit to be 110x86 ft., with back wall placed temporarily so that additions may be made as fast as machines can be installed; complete building 110x250 ft.; initial equipment 8 or 10 machines; completed plant, 70 machines. 1-19

N. C., Charlotte—Hudson Silk Hosiery Co., 1902 S. Blvd., will erect hosiery mill, install 24 machines; expend \$300,000; company granted authority to manufacture and sell pointed heel stockings, patent of Gotham Silk Hosiery Co., 1107 Broadway, New York; will let contract in about 3 weeks; Lockwood, Greene & Co., Engrs.

N. C., Hickory—Elliott Knitting Mills, Inc., plans erecting \$15,000 addition; install additional machinery.

N. C., High Point—J. H. Adams, J. E. Mills and J. V. Garrett applied for incorporation of merger of Adams-Mills Corp., English St., Piedmont Mills Co., High Point Hosiery Mills, Kernersville Hosiery Co., all of High Point; authorized capital stock, 17,500 first preferred, par value \$100; 5000 shares second preferred, \$100 par value, and 173,500 shares common stock with no par value. 5-3

N. C., High Point—Hatch Full Fashioned Hosiery Co., capital \$300,000, incorporated; J. M. Hatch, 1504 Elizabeth Ave., Charlotte; A. C. Lineberger, Belmont; B. M. Armfield, High Point; construct \$200,000 full fashioned hosiery plant on 21 acre site.

N. C., Winston-Salem—P. H. Hanes Knitting Co., N. Main St., has let contract for 6-story building for power plant and factory on Church St. at rear of main building at Main and Sixth Sts.; struc. steel and brick; company will manufacture its own power; install 1000 h.p. bleeder type steam turbine direct connected with generator; all exhaust steam will be used for heating, dyeing and drying; two water tube boilers with coal supplied by automatic stokers; Mees & Mees, Engrs., Johnston Bldg., Charlotte; North-

eastern Construction Co., Contrs., Nissin Bldg., Winston-Salem.

S. C., Clinton—Clinton Silk Mills, Southern branch of Hazleton Heights Silk Co., Hazleton, Pa., will erect broad silk manufacturing plant; 20,000 sq. ft. floor space, will be first of 5 units; install 50 looms and auxiliary machinery; Sidney M. Edelstein & Co., Inds. Engrs., Union. 3-22

S. C., Easley—Piper Roofing Co., 116 N. Court St., Greenville, has contract for roof for mill building and warehouse of Arail Mill. 3-8

S. C., Rock Hill—Sidney M. Edelstein & Co., Industrial Engrs., Union, advises Lund Co., a Delaware corporation, capital stock \$600,000, preferred thousand shares common no par, leased for 10 yrs, 36,000 sq. ft. floor space in building formerly occupied by Anderson Motor Co.; building will be humidified and sprinkler system installed at once; first unit machinery shipped from Fisherville, Mass., plant of Lund Textile Corp.; complete unit will employ about 500 operatives; Sidney M. Edelstein & Co., Engrs. in charge. 4-5

Tex., Grapevine—City, reported, negotiating with New England capitalists for cotton mill.

Tex., Terrell—C. L. Pool, Pool Manufacturing Co., and John W. Carpenter, Pres., Texas Power and Light Co., Dallas, reported, interested in establishment of textile mill.

Va., Bedford—Harry J. Johnson, 350 Broadway, New York, Pres. Bedford Johnson Co., plans rebuilding burned woolen mill, provided citizens invest \$150,000 in mill; will organize new company, Bedford Johnson Woolen Mill Co.; expend \$450,000 for building and equipment. 4-26

Va., Blackstone—Klotz Silk Manufacturing Co., Inc., Clinton, N. J., plans establishing natural silk manufacturing plant; \$120,000 to be subscribed by citizens; has option on site.

### Water Works

Details of water works improvements in connection with the many LAND DEVELOPMENT operations will be found under that classification.

Ala., Phenix City—The McClelland Co., Wilder Pl., Charlotte, N. C., has contract at \$56,581 for constructing water works plant; Michigan Valve and Foundry Co., 3631 Parkerson St., Detroit, Mich., for valves; Burford, Hall & Smith, Red Rock Bldg., Atlanta, Ga., will supply pumps of DeLaval Co., Trenton, N. J.; contract for pipes and filtering equipment not let. 4-26

Ark., Cotton Plant—S. M. Bush, Mayor, plans installing water and sewer system.

La., Mangham—City receives bids May 31 for water works equipment. See Want Section—Bids Asked.

Md., Towson—Kalman Steel Co., Wrigley Bldg., Chicago, has contract for reinforcing steel and Maryland Steel Products Co., Standard Oil Bldg., for miscellaneous steel in enlargement reservoir; H. T. Campbell & Sons, Gen. Contr.

Miss., Boyle—City receives bids May 30 for water works improvements. See Want Section—Bids Asked.

Miss., Cleveland—City receives bids May 21 for water works improvements, including gate valves, Class B c. i. water mains, centrifugal cast pipe, c. i. fittings, etc.; F. G. Proutt, Const. Engr., 374 Randolph Bldg., Memphis, Tenn.

Miss., Forest—See Roads, Streets, Paving.

Miss., Lake—City receives bids in June for complete water works system; Morgan & Co., Inc., Engrs., Edwards Bldg., Jackson.

Miss., Wiggins—Town receives bids May 29 for water works. See Want Section—Bids Asked.

Mo., Poplar City—City plans \$175,000 bond issue.

Mo., Hamilton—City voted \$20,000 water bonds. 4-26

Mo., St. Louis—John V. Boland, Chemical Bldg., low bidder at \$78,500 for erecting smoke stack for Missouri River water works at Howard Bend; 13 ft. inside diam.; cut stone construction and stone colored brick; built-in smokestack will be device for removing carbon dioxide from gases and smoke expelled from boilers into stack. 4-26

N. C., Forest City—Cochran and Ross, 601 W. Sixth St., have contract for sewer and water extensions; The Carolina Engineering Co., Const. Engrs., Johnston Bldg., both Charlotte.

N. C., Gastonia—Elliott Building Co., Hickory, has contract for laying 14,000 ft. of 20-

in. main from impounding reservoir to city water plant. 4-26

N. C., Kings Mountain—City receives bids May 29 for water purification plant. 4-19. See Want Section—Bids Asked.

Okla., Butler—City plans water works; J. C. Milliken, Continental Bldg., Oklahoma City, Engr.

Okla., Cushing—City plans \$17,000 rein. conc. roof for reservoir.

Okla., Eufaula—City voted \$16,000 water improvement bonds.

Okla., Henryetta—City has plans for water works; J. Embree, Engr., 522 E. 12th St., Okmulgee. 3-18

Okla., Henryetta—City receives bids May 21 for storage dam. See Want Section—Bids Asked.

Okla., Locust Grove—City voted \$15,000 water works equipment bonds.

Okla., Lone Wolf—City let contract to Standard Paving Co., 1742 E. 6th St., Tulsa, for water main extension. 4-5

Okla., Manitou—City let contract to E. W. Baker & Co., Perrine Bldg., Oklahoma City, for water main extension. 4-5

Okla., Marshall—City let contract to Sherman Iron Works, 18 E. Main St., Oklahoma City, for water works improvements. 4-26

Okla., Sentinel—E. W. Baker & Co., Perrine Bldg., Oklahoma City, has contract for water works improvements. 4-26

Okla., Sharon—City has preliminary plans for water works; G. W. Westbelt, Mayor.

Okla., Thomas—City plans 11,000 ft. extension to water mains.

Okla., Waukomis—City has preliminary plans for \$30,000 water works; E. A. Jones, Engr., Enid.

S. C., Greenville—City may retain Col. J. L. Ludlow, as engineer, for repairing Table Rock dam; W. C. Beacham, Chmn. Greenville Water Works Comsn.

S. C., Greer—W. A. Briggs, Capers Bldg., Greenville, has contract for placing 2½ mile 10 and 12-in. water main and Fiske-Carter Construction Co., Masonic Temple, Greenville, for building pump and filtration plant for water works. 5-3

Tenn., Kingsport—City voted \$350,000 water bonds. 5-3

Tenn., Knoxville—Cherokee Construction Co., 301 N. Broad St.; low bidder at \$18,044 for trenching and back-filling for water line installation; contract for pipe not let.

Tenn., Dyersburg—City voted \$120,000 water and light bonds.

Tex., Ballinger—City Comsn. having survey made by Forsgard & Davis, City Engr., for water supply.

Tex., Beaumont—Neches Water Co. will issue \$430,000 first mortgage serial gold bonds and later issue \$130,000 of first mortgage serial gold bonds for refunding existing indebtedness, construction and acquisition of property.

Tex., Hemphill—Joe B. Winslet has contract for water works, including 75,000-gal. tank and 100-ft. tower.

Tex., Palestine—City votes May 29 on \$42,000 water bonds.

Tex., Port Neches—City, reported, plans water and sewer improvements; may take raw water from canal to be run to city limits by Neches Canal Co. and install filtration plant.

Tex., Slaton—City voted water bonds. See Financial News.

Tex., San Antonio—V. W. Mills, Packard Bldg., Philadelphia, Pa., will probably receive franchise to build water system in Palm Heights addition; city will lay sanitary sewers and resurface and gravel streets.

Tex., Taylor—City voted \$250,000 water works bonds. 4-12

Va., Portsmouth—City votes June 12 on \$500,000 sewer bonds. 5-3

### Woodworking Plants

Ala., Gadsden—P. H. Horton erect furniture factory, N. Fourth St.; brick, conc., 60x350 ft.

Ala., Mobile—Bell Mfg. Co., R. J. Bell, Pres., Stuart, Fla., may erect \$100,000 barrel factory.

N. C., Goldsboro—Stockholders of Empire Manufacturing Co., 501 W. Center St., and of Atlas Plywood Corp., 31 St. James Ave., Boston, Mass., ratified agreement of Board of Directors of 2 companies for merger of Empire Co. with Plywood Corp.

S. C., Columbia—Wilson-Smith Veneer Co., capital \$15,000, incorporated; Fred Wilson, Sr.; R. Hunter Smith.

Tex., Houston—Continental Wirebound Box Co., 1909 Campbell St., S. F. Talbert, Pres., acquired Republic Box Co., 4100 Leeland Ave.

Va., Norfolk—Dismal Swamp Wood Products Co., capital \$15,000, incorporated; S. U. Baxter, Earle Court Apt.

## FIRE DAMAGE

Ark., Fayetteville — Fayetteville Ice Co.'s plant.

Ark., Manila—Stuart Drug Store; Hutton-Thomas Hardware Co.'s building.

Ark., Pine Bluff—J. W. Wilkins' building, 309 W. 4th Ave.; loss \$12,000.

Ark., Fayetteville — Engineering machine shop at University of Arkansas; loss \$150,000.

Ark., Heber Springs—W. F. Haywood's 2-story brick building.

Ark., Wilmet—Mayor A. M. Keller's residence; loss \$20,000.

Fla., Miami—City Natl. Bank Bldg., S. W. First St. and First Court, occupied by Ray Stag Hotel, Dade County Citrus sub-exchange and Browne Produce Co.; loss \$25,000.

Fla., Pensacola—Adrian Langford's residence, 1201 E. Gadsden St.; loss \$10,000.

Ga., Blakely—Chancey Supply Co.'s store; loss \$25,000.

Ga., Fort Oglethorpe—Stable of Troop B; loss \$24,000. Address Col. T. A. Roberts.

Ga., Midville—City jail. Address City Council.

Md., Baltimore—C. Hohman & Sons smoke-house, 2038 E. Monument St.

Md., Hagerstown — Warehouse leased by Baltimore Discount Co., Continental Bldg., Baltimore.

Miss., Gulfport—Chancellor Virgil A. Griffith's residence, 20th Ave. and 16th St.; loss \$10,000.

Miss., Hattiesburg — Cotton warehouse, owned by F. L. Matthews, Front St.; loss \$20,000.

Mo., Poplar Bluff—Poplar Bluff American-Republic newspaper plant; loss \$15,000.

N. C., Wilmington—Main stable and warehouse, New Hanover County home farm.

S. C., Greenville — Saluda Crushed Stone Co.'s plant, at Hellams, 14 mi. above Greenville; loss \$200,000; Greenville Office, Capers Bldg.

Tenn., Tullahoma—Tennessee Glove Co.'s plant, loss \$40,000; Dr. C. R. Crouch, Pres.

Tenn., Waverly—Offices of Tennessee Electric Power Co., loss \$40,000; building owned by G. C. Williams, loss \$10,000.

Tex., Hamon—Mrs. A. Hamon's store and dwelling.

Tex., Houston—Texas Concrete Pipe Co.'s plant, 2500 W. Dallas Ave.; loss \$10,000.

Tex., Leggett—B. R. Richardson's store.

Tex., Mount Vernon—Palace Theater owned by Dupree, Hill & Dupree.

Tex., Orangefield — School Building; loss \$25,000.

Tex., Sherman—Dr. D. M. Hestand's residence, 2120 N. Woods St.; loss \$10,000.

story and basement, brick and stone, conc. and wood floors, built-up roof; Levy & Clark, Archts., Blun Bldg., Savannah.

Ky., Danville—Baptist Church, Rev. C. C. Warren, Pastor, erect building.

La., Algiers, New Orleans—Holy Name of Mary R. C. Church erect \$200,000 Gothic type building; pile foundation, struct. steel and iron, marble, cut stone; Alex. W. Norman, Archt., Marine Bank Bldg., New Orleans.

Md., Baltimore — Evangelical Lutheran Church of Our Savior, 2801 Alameda, church and parish house, 33d and Taylor Sts.; stone and limestone trim; Frohman, Robb & Little, Archts., 16 Jackson Place, Washington, D. C., and 140 Boylston St., Boston, Mass.

Miss., Bovina—Currie & Corley, Raleigh, submitted low bid at \$21,695 for church; Emmett J. Hull, Archt., Jackson.

Miss., Carthage—Methodist Church call for bids in few days for \$16,000 building; rein. conc. foundation, comp. shingle roof; Emmett J. Hull, Archt., Merch. Bank Bldg., Jackson.

Miss., Jackson—First Presbyterian Church plans building. Address The Pastor.

Miss., Jackson—Parkway Baptist Church, Dr. J. P. Harrington, Pastor, plans building.

Miss., Lyon—Methodist Church, Rev. P. F. Luter, Pastor, erect \$10,000 building.

Mo., Butler—Christian Church erect \$25,000 building. Address The Pastor.

Mo., Owensville — Immaculate Conception R. C. Church, Rev. Father Martin, Pastor, erect \$50,000 building, State Highway No. 28; brick, 1 story; W. P. McMahon, Archt., Buder Bldg., St. Louis.

Mo., Springfield — First Baptist Church plans \$250,000 building; raising funds. Address The Pastor.

Mo., St. Louis — Hope Lutheran Church, Rev. E. L. Raschke, Pastor, 5222 Neosho St., erect \$100,000 building; brick; Theo. Steinmeyer, Archt., Int. Life Bldg.

Mo., St. Louis—Theosophical Society, C. E. Luntz, Pres., 3817 Olive St., erect 1-story brick addition to dwelling, 5108 Waterman St.

Mo., St. Louis — Winnebago Presbyterian Church, Rev. J. Johnson, Pastor, 3435 Winnebago St., erect \$85,000 superstructure of building; Winnebago and Tennessee Sts.; brick, 1 story; A. B. Groves, Inc., Archt., 5419 Maple Ave.

Mo., St. Louis — Ferguson Presbyterian Church, Dr. M. V. P. Yeaman, Pastor, has \$40,000 gift toward \$55,000 church and pipe organ.

N. C., Burlington—First M. P. Church, Rev. L. W. Gerringer, Pastor, plans building.

Okla., Ada—Methodist Church having final plans drawn by A. S. Ross for \$130,000 building; brick and rein. conc., 3 stories.

Okla., Ardmore—Presbyterian Church, F. E. Heckeltham, Chmn., Bldg. Comm., erect \$175,000 building; brick, rein. conc., 2 stories.

Tenn., Camden — First Methodist Church, E. F. Davidson, Chmn., Bldg. Comm., soon start work on \$30,000 building; brick and stone, 2 stories and basement, wood floors, comp. roof; Hubert T. McGee, Archt., Fidel. Bank Bldg., Memphis.

Tex., Harlingen — M. Tavs interested in erection of Jewish synagogue.

Tex., Port Arthur — Pentacostal Church, Rev. W. G. Gall, Pastor, erect building.

Tex., San Antonio — St. Pauls Lutheran Church, H. H. Barsum, Chmn., Bldg. Comm., erect \$12,000 church school, Roseborough St. near S. Presa St.; hollow tile and conc., 1 story and basement, about 33x85 ft.; Richard Vander Straten, Archt., Travis Bldg.

Tex., San Benito—Church of Christ erect \$10,000 to \$15,000 building; Ewing & Mulhausen, Archts., Harlingen.

Va., Portsmouth — First Presbyterian Church receives bids May 22 at office C. M. Major, Archt., Commercial Bldg., for Sunday school; \$50,000, brick, 2 stories.

## City and County

Fla., Clearwater—City, H. S. Riddle, City Mgr., ready for bids for jail and fire station; \$50,000; to install \$25,000 fire alarm system.

Fla., Miami—City erect \$20,000 band stand and comfort station, Bayfront Park and S. E. Second St., after plans by H. H. Mundy, 218 N. E. Fifth St.; frame and stucco, 2 stories, 64x31 ft.

Ga., Atlanta—City, Councilman Howard G. McCutcheon, Chmn., City Hall Comm., has low bid at \$7360 from H. G. Fleming Co., First Natl. Bank Bldg., Chattanooga, Tenn.,

## BUILDING NEWS BUILDINGS PROPOSED

### Association and Fraternal

La., Alexandria—Knights of Columbus receive bids May 30 at office W. F. Chapman, Pres., Columbian Catholic Assn., for hollow tile, brick and stucco lodge building, Beauregard St.; 2 stories, comp. shingle and tile roof; Wm. R. Burk, Archt., Balter Bldg., New Orleans.

Md., Baltimore—Knights of Pythias, care G. Watty, 540 W. Lanvale St., having plans drawn by J. O. Blair, 330 St. Paul St., to rebuild burned structure; \$35,000.

Okla., Oklahoma City—Ancient Free and Accepted Masons plan \$10,000 temple; 2 stories and basement; post office probably on ground floor.

Tex., Sherman — Woodmen Circle Assn., Mrs. Mary E. LaRocca, Pres., Omaha, Neb., selected John Tulloch as architect for \$500,000 national home for aged and orphans; H. E. Hall, care Texas Nursery, Landscape Archt., both Sherman; 2-story and basement administration building; 2-story cottages.

### Bank and Office

Ala., Fort Payne — First National Bank erect \$20,000 building; brick and terra cotta, fireproof, 1 story, 80x50 ft.; Bearden & Crutchfield, Archts., First Natl. Bank Bldg., Chattanooga, Tenn.

D. C., Washington—Miss A. Burd Shryock erect \$30,000 office building, 1508-10 L St., N. W., after plans by Frederic B. Pyle, Evans Bldg.; brick, 2 stories.

D. C., Washington—McCoy Security Co., Inc., E. H. Briggs, Sec., 2509 Thirty-second St., S. E., erect building.

Ky., Covington — Covington Trust and Banking Co., Sixth St. and Madison Ave., reported, erect \$250,000 building; brick, rein. conc., 2 stories and basement; C. C. & E. A. Weber, Archts., Ingalls Bldg., Cincinnati, O.

Mo., California—Farmer-Trades Bank considers erecting brick bank building.

Mo., Kansas City—T. Crosby Kemper and associates, reported, consider erecting 6 additional stories to 7-story City Bank Bldg., 18th St. and Grand Ave.

Mo., St. Louis—Continental Life Insurance Co., 1009 Olive St., and Grand National Bank erect \$1,500,000 office building, Olive St. near Grand Blvd.; 20 stories.

Okla., Blackwell—Kennedy Bros. & Hays erect \$200,000 theater and office building; fireproof, 4 stories, 50x140 ft., conc. floors and foundation, comp. roof; H. H. Mahler

Co., Archt., 204½ E. Third St., Tulsa. See Want Section—Building Material and Equipment.

Okla., Oklahoma City — S. Ferris, Pauls Valley, reported, erect 2-story addition to Cotton Exchange Bldg., Second and Harvey Sts., \$200,000; Layton, Hicks & Forsyth, Archts., Braniff Bldg., Oklahoma City.

Okla., Oklahoma City—Oklahoma Savings & Loan Assn., 300 Robinson St., add 3 stories to 2-story bldg., white stone trim; Guy C. Reid, Archt., Elks Bldg.

Okla., Tulsa—Seldman Investment Co. purchased old Security Bldg.; expend \$50,000 to remodel.

Tex., Canyon First National Bank, J. W. Reid, Pres., remodel building.

Tex., Houston—Federal Land Bank, Judge M. H. Gossett, Pres., receiving bids at office Hedrick & Gottlieb, Archts., Post-Dispatch Bldg., for 3-story, mezzanine and basement bldg., Lamar and Brazos Sts.; \$400,000, 121x125 ft., rein. conc. and stone, rubber tile floors, acoustical treatment.

Tex., Mission—Chamber of Commerce considers erecting \$20,000 building.

Tex., Mission—Pearson-Brooks erect hollow tile and rein. conc. office addition; 2 stories, 50x60 ft.; Decker & Tanner, Archts.; bids in.

Tex., Pampa—A. Gordon and associates erect office building.

### Churches

Ala., Birmingham—First Christian Church, 21st St. and Seventh Ave., N., J. R. McWane, Chmn., Bldg. Comm., W. S. Stallings, Chmn., Finance Comm., plans \$400,000 auditorium.

Ala., Birmingham — St. Clements R. C. Church, 52d St. and First Ave., erect face brick church and Sunday school; 44x110 ft. and 104x66 ft., 1 story, cast stone, built-up roof; J. J. Carey, Archt., 407 State Office Bldg., Mobile.

D. C., Washington—St. Matthew's Lutheran Church, Rev. E. H. Mense, Pastor, 125 Tennessee Ave., N. E., having plans drawn by J. A. Weber, Colorado Bldg., for \$50,000 building, Kentucky Ave. near 15th St., S. E.; 2 stories, limestone.

Ga., Moultrie—First Baptist Church, C. B. Allen, care Moultrie Observer, Chmn., Plans Comm., erect Sunday school annex; 2 or 3 stories, accommodate 800 to 1000.

Ga., Pembroke—Baptist Church erect \$10,000 building to replace burned structure; 1



for rein. conc. foundation for \$1,000,000 city hall; G. Lloyd Preacher & Co., Inc., Archts.-Engrs., Wynne-Claughton Bldg., Atlanta. 5-10

La., Coshatt—Red River Parish Police Jury receives bids June 7 for \$140,000 courthouse and jail; fireproof, brick, stone trim, 3 stories, wood, cement, tile and marble floors, tile and comp. roof, struct. steel and iron work, steel sash, metal lath, rolling doors, steel jail equipment; Wm. T. Nolan, Archt., Canal Bank Bldg., New Orleans. 2-23

Md., Catonsville, Baltimore—Baltimore County Bd. of Commrs., Towson, erect fire and police station building, Frederick Rd.; Wm. Gordon Beecher, Archt., 12 E. Pleasant St., Baltimore.

Miss., Belzoni—City has low bid at \$13,500 from W. G. Whitmire Construction Co. for city hall and fire station; Emmett J. Hull, Archt., Merch. Bank Bldg., Jackson. 3-29

Miss., Holly Springs—Marshall County Bd. of Supvrs. plan remodeling jail; plans submitted by N. W. Overstreet, Archt., Miss. Fire Bldg., Jackson.

Miss., Ripley—Tippah County Bd. of Supvrs. receive bids June 7 for alterations and additional story to courthouse; \$55,000, struct. steel and iron, masonry, tile and wood floors, steel sash, comp. built-up roof; N. W. Overstreet, Archt., Miss. Fire Bldg., Jackson. 5-10

Mo., St. Louis—Bd. of Public Service, City Hall, has low bid at \$100,695 from A. H. Haeseler Building and Contracting Co., Walnwright Bldg.; for wings to Souland Market and playground; Albert Osburg, Archt., 3654 Meramec St.; L. R. Bowen, Engr., 6980 Page Blvd.

Miss., Tupelo—Lee County Bd. of Supvrs. receive bids June 4 for remodeling courthouse and erecting 2-story brick jail; former \$5000; latter \$50,000, rein. conc. foundation, struct. steel and iron, cement and wood floors, comp. roof, jail equipment; plans from Frank Kincannon, Jr., Archt. 3-15

N. C., High Point—City, W. A. Davis, Mayor, receives bids May 15 for brick veneer fire station, E. Davis St. near S. Main St. 4-5

N. C., Roxboro—Person County votes June 5 on \$150,000 courthouse and jail bonds. Address County Commrs. 4-19

Tex., Bay City—City, Pat Thompson, Mayor, receives bids May 25 for hollow tile, rein. conc. and brick city hall and fire station; 1 story and balcony, about 137x55 ft.; Morris & Noonan, Archts.-Engrs., Bldrs. Exch. Bldg., San Antonio. 3-29

Tex., Slaton—City voted \$25,000 bonds, including amount for fire station. Address City Council.

Va., Portsmouth—City, Mr. Hanrahan, City Mgr., plans enlarging Sixth Avenue Fire Station.

W. Va., Moundsville—City erect community house, city recreation park; M. F. Glesey, Archt., Riley Law Bldg., Archt., Wheeling.

### Dwellings

Ark., Magnolia—Following plan residences during Summer: J. R. Willis, Wade Willis, L. D. Kemmerer, Norman Ralford.

D. C., Washington—Harry Carpel, Natl. Press Bldg., has permit for \$20,000 residence, 1705 Webster St., N. W.; 2 stories, brick and cinder block.

D. C., Washington—R. E. Kline, 2202 Tunlaw Rd., has permit for 9 dwellings, 1700-16 B St., N. E.; 2 stories, brick; \$45,000.

D. C., Washington—Chas. D. Sager, 1235 Randolph St., N. W., has permit for 10 brick dwellings, 548-66 Twenty-fourth St., N. E.; 2 stories; \$30,000.

D. C., Washington—Nathan Scott, 2400 16th St., N. W., has \$27,000 permit for residence, 2822 McGile Terrace, N. W.; 2 stories, brick.

D. C., Washington—B. H. Bose, 1923 N. Capital St., erect 2 brick dwellings, 1732 Webster St., N. W., after plans by John A. Weber, Archt., Colorado Bldg.; 2 stories; \$12,500. 5-10

D. C., Washington—Saml. T. Farmer, 34 Quincy Place, erect \$16,500 residence, 1345 Jonquil St. N. W., after plans by C. M. Chaney, Designer, McLachlen Bldg.; brick, 2 stories. 5-10

D. C., Washington—Chas. C. Kennon, 814 Eighteenth St., erect \$14,000 residence, 3116 Thirty-eighth St. N. W., after plans by R. W. Berry, Designer, 7002 Meadow Lane brick and tile, 2 stories. 5-10

Fla., Coconut Grove, Miami—Katherine Boyd, Washington, D. C., erect \$25,000 to \$30,000 residence, St. Gardens Rd., Justison and Frantz sub-division; conc. block, 2 sto-

ries, U shape, 80x50 ft., tile and wood floors, tile and comp. roof; John and Coulton Skinner, Archts., News Tower, Miami; low bid at \$21,400 from E. G. Horn Construction Co., Miami.

Fla., Miami Beach—J. W. Fitzgerald, Pres., F. W. Fitzgerald Sand & Gravel Co., Savannah, Ga., present address care Hotel Panoast, Miami Beach, erect \$26,000 residence, Pine Tree Drive and 56th St.

Fla., Miami Beach—Fred D. Breit, 227 Espanola Way, receives bids May 19 for stucco and conc. block dwellings, Collins Ave. near Lincoln Rd.; 2 stories, tile and wood floors, tile roof; Russell Panoast, Archt., Lincoln Rd. 4-26

Fla., Tampa—Mrs. S. B. Owens erect \$15,000 residence, Bayshore Blvd.

Fla., Tampa—Schumacher & Winkler, Archts., 610 Magla St., have completed plans for dwelling, 86 Adalia Ave., Davis Islands.

Ga., Atlanta—Louis Aronstam, 263 Decatur St., receives bids May 25 at office Pringle & Smith, Archts., Norris Bldg., for brick residence; \$35,000, 2 stories and basement, hardwood floors, slate or tile roof, steam heat; following contractors estimating: Collins, Holdbrook, Collins, Atlanta Trust Bldg.; Gilbert Beers, Bona Allen Bldg.; H. W. Oliver, Silvey Bldg.; Norwood Griffin, Bona Allen Bldg.; W. P. Francis, 201 Luckie St., N. W.; T. C. Wesley, Bona Allen Bldg.; Flagler Co. Red Rock Bldg.; Padgett & Sutton, Bona Allen Bldg. 5-19

Ga., Atlanta—J. S. Disoway, 68 Rivers Rd., erect face brick veneer residence, Habersham Rd.; Indiana limestone trim, 2 stories and basement, 42x42 ft., oak, linoleum, pine and tile floors, Buckingham slate roof; Burge & Stevens, Archts., Marietta Bldg.; bids May 16.

Ga., Atlanta—Melvin Realty Co., 712 Cit. & So. Bldg., erect \$10,000 dwelling, 841 Arbonne Ave. N. E.; brick veneer, 2 stories, hardwood floors.

Ga., Atlanta—Gussie and Gladys Shirelzi, 753 Pulliam St., S. W., erect \$13,500 brick veneer residence, 1284 N. Morningside St., N. E.; 6 rooms, 2 baths, comp. shingle roof, hot air heat; day labor.

Ga., Atlanta—Mrs. Bernard Neal, 2214 Peachtree St. N. W., erect \$10,000 duplex, 64-66 Golf Circle; frame, 2 stories.

Ga., Atlanta—Mrs. Mildred Thornburg erect \$10,000 residence, 297 Montgomery Ferry Drive; 2 stories.

Ga., Atlanta—J. M. Sanders, 506 S. Candler St., erect \$10,000 residence, 397 Eighth St. N. E.; brick veneer, 2 stories.

Ga., Yatesville—A. D. Williams erect brick veneer residence; 1 story and basement, 8 rooms, hot air heat; R. S. Monday, Archt., Norris Bldg., Atlanta.

La., New Orleans—Allen Tupper, 2300 Perido St., receiving bids at office Francis J. MacDonell, Archt., Hibernia Bk. Bldg., for 1-story and basement residence, 1561 Exposition Blvd.; conc. floor slabs and roof, brick work; following contractors estimating: J. A. Haase, Jr., 916 Union St.; Otis W. Sharp, 141 Carondelet St.; E. W. Ullrich Glass Co., 808 Baronne St.

La., Shreveport—H. A. Peterman, 222 Wall St., erect \$12,000 residence, Ratcliff and Line Aves.; brick veneer, 2 stories; M. D. Weeks, Jr., Archt., 1531 Laurel St., receiving bids.

La., Shreveport—J. H. Askew, Slattery Bldg., erect \$10,000 residence, 360 E. College St.; 1½ stories.

La., Shreveport—J. V. Schexnaidre, 1811 Park Ave., erect \$13,000 residence, South Shreveport; brick veneer, 1 story; P. J. Annan, Archt., Slattery Bldg.; about ready for bids.

Md., Baltimore—Dr. John L. Ulrich, 404 Bretton Pl., erect residence, Overhill and Rugby Rds., Guilford.

Md., Baltimore—Chester Green, Burns Ave., erect 2 duplexes, 6410-16 Burns Rd.; stucco; \$12,000.

Md., Baltimore—Wm. C. Gay, 805 McCabe Ave., erect 2 dwellings, 3804-3902 Juniper Rd.; stucco, 2 stories; \$19,000.

Md., Baltimore—Lydia H. Downing erect \$10,000 stone residence, 4702 St. Alban's Way; garage.

Md., Baltimore—Keystone Construction Co. erect \$18,000 dwellings, 4201 Underwood Rd.

Md., Baltimore—Keystone Construction Co. erect \$18,000 residence, 4201 Underwood Rd.; 1½ stories, stone.

Md., Baltimore—John L. Tregallas, 10 E. Fayette St., erect 2 dwellings, 2909-12 Overland Ave.

Md., Chevy Chase (Branch Washington, D. C.)—Dr. D. E. Mitchell, care G. Gomley,

Contr., Calhoun Estate, erect \$125,000 country residence; brick, 2 stories.

Md., Frostburg—Mt. Zion Baptist Church, Rev. Wm. D. Reese, Pastor, erect 2 frame dwellings, Broadway and Ormond St.; \$10,000; also considers erecting church.

Miss., Starkville—Protestant Episcopal Church, Rev. Wm. B. Allen, Rector, erect 6-room rectory.

Mo., Clayton, St. Louis—Victor S. Hallam, 722 Chestnut St., erect brick residence, Edgewood Ave., Wydown Forest; 2 stories and basement, 36x70 ft., hardwood floors, tile roof and bath, conc. block foundation; Edw. E. Nott, Archt., 216 Int. Life Bldg., St. Louis.

Mo., Kansas City—J. Lewis Ward, 438 W. 67th St., erect \$13,000 residence.

Mo., Kansas City—A. B. Colfry, 5825 Charlotte St., plans brick Colonial residence, 65th St. Terrace and State Line.

Mo., Kansas City—J. C. Nichols Investment Co., 401 W. 47th St., erect \$25,000 dwelling, 5650 Ward Pkwy.

Mo., Pine Lawn—C. H. Eldredge, 3721 Sullivan Place, considers erecting brick residence, Manola St., Uplands Park.

Mo., Springfield—E. M. West, 818 Holland St., erect \$10,000 residence, 1500 block S. National Ave.; brick veneer.

Mo., St. Louis—Benj. Wolf, care Clarence A. Koenig, Archt., 2036A Russell Ave., erect brick residence, 7100 block Pershing Ave.; 2 stories and basement, 28x40 ft., conc. foundation, tile roof, hot water heat.

N. C., High Point—Hatch Full Fashioned Hosiery Co., B. M. Armfield, member, erect number operatives' dwellings, connection with plant construction.

Okla., Ada—F. W. Meadows erect \$30,000 residence; brick, 2 stories and basement, 54x76 ft.; A. S. Ross, Archt.; plans about May 15, contract about June 1.

Okla., Oklahoma City—H. L. Guild & Co., Perrine Bldg., erect 2 duplexes, 108 W. 32nd St. and 932 E. 16th St.; brick; \$10,000.

Okla., Oklahoma City—C. Hammond, 816 W. 12th St., erect 2 brick dwellings, 1405-09 E. 24th St.; \$10,000.

Okla., Tulsa—R. S. Shade, Roberts Bldg., erect \$29,000 brick residence and garage, 1230 Hazel Blvd., Sunset Terrace.

Tenn., Knoxville—Mrs. J. Parnick Smith, 600 N. Central Ave., erect \$10,000 residence, Aviation Ave. and Whittle Spgs. Rd.; brick veneer, 6 rooms.

Tex., San Antonio—G. Berasconi, 410 Castro St., erect brick veneer residence, Montrose and W. Huisache Sts.; brick veneer, 1 story, 6 rooms, comp. roof, tile bath; Ernest B. Hays, Archt., 516 Milam Bldg.

Tex., San Antonio—Ward Kelley and Casey Hirschfeld, 328 Castro St., erect \$75,000 stone and stucco residence, Alameda St., Olmos Park Estates; 2 stories, 14 rooms, servants' quarters, 3-car garage; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg.

Tex., Austin—C. E. Barrett erect brick veneer residence, Woolridge Ave., Pemberton Hgts.; 1 and 2 stories, tile floors, slate roof; Adams & Adams, Archts., Real Est. Bldg., San Antonio.

Tex., Austin—M. Lewis Gruber, 3715 Speedway, erect \$10,000 residence, Aldridge Place; stucco, 2 stories, about 32x42 ft., hardwood, edge grain pine and tile floors, conc. foundation, Creco-Dipt shingle roof, hot air heat; Roy L. Thomas, Archt., Littlefield Bldg.

Tex., Fort Worth—John P. King, 1214 Presido St., erect \$40,000 residence and garage, 4926 Crestline Rd.; brick veneer.

Tex., Houston—Wm. W. Young, 418 Byrne St., erect \$15,000 brick veneer residence and garage, 2630 Southmore; 9 rooms, 2 stories.

Tex., Houston—T. M. Potter erect \$10,000 duplex and garage, 2118 Huldy St.; brick veneer, 2 stories, 10 rooms.

Tex., Houston—B. F. Winborn, Post-Dispatch Bldg., erect duplex and garage, 1908 W. Dallas St., Temple Terrace; 10 rooms.

Tex., Houston—Lee Barnes erect brick veneer duplex and garage, 5102 Chenevert St., Southmore 107 Addition; 2 stories, 10 rooms.

Tex., Houston—L. D. Cox erect \$10,000 duplex and garage, 1734 W. Alabama St.; 2 stories, 10 rooms, brick veneer.

Tex., Kerrville—Dr. J. D. Jackson erect \$25,000 residence; stone, tile and stucco, 2 stories, 10 rooms, 2 tile baths, tile roof; Robt. B. Kelly, Archt., Milam Bldg.; ready for bids about May 21.

Tex., Mercedes—L. T. Hoyt erect \$10,000 Colonial residence; 2 stories, frame; W. R. Varner, Archt., Harlingen.

Tex., San Antonio—San Antonio Building Supply Co. erect \$10,000 dwelling, Mary Louise Drive; 7 rooms.

Tex., San Antonio—Walter Negley, care Albaugh & Steinbomer, Supvg. Archts., Rest Est. Bldg., San Antonio, has low bid at \$56,627 from American Building Co., 1615 W. Kingshighway, for residence; Geo. Louis Walling, Archt., Austin. 4-26

Tex., San Antonio—American Building Co., 1615 W. Kings Highway, erect 30 dwellings, North Woodlawn Terrace; each of San Antonio members of West Texas Chapter, American Institute of Architects, will design 2 dwellings; Atlee B. and Robt. M. Ayres, Bedell Bldg., drawing plans for first two.

Tex., San Marcos—A. H. Morton, Natl. Bk. of Commerce Bldg., erect field stone lodge, Wimberly Rd. near San Marcos; 1 story and basement; bids May 18 by Richard Vander Straten, Archt., Travis Bldg., San Antonio.

Tex., Wharton—M. I. Scott erect \$10,000 residence; stucco, 2 stories, 8 rooms, clay tile roof; A. Delisle, Archt., Freed Bldg., Houston.

Va., Norfolk—O. L. Murray, 831 aGtes Ave., erect brick residence, Glencove; Rudolph, Cooke & Van Leeuwen, Archts., Bldrs. & Contrs. Exch.; bids in.

W. Va., Charleston—Mrs. C. W. Hall, 28 Ruffner Ave., erect \$35,000 residence, Kanawha St.; stone, 12 rooms.

### Government and State

Ala., Birmingham—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., has low bid at \$38,982 from Jas. H. Elkins Construction Co., 3900 Avenue A, Birmingham, for completing attic story, post office and courthouse. 5-3

Ala., Birmingham—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receive bids June 5 for miscellaneous changes in basement, first and second story of post office and courthouse; drawings from Custodian at site or from office Supvg. Archt.

D. C., Washington—Additional contractors estimating on foundations, etc., for \$10,000,000 bldg. for United States Bureau of Internal Revenue, bids May 21 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt.; Algernon Blair, Montgomery, Ala.; Albert A. Volk Co., 1819 Vanderbilt Ave.; E. O. Roberts Co., 32 Vanderbilt; J. L. McDonald, 55 W. 42d St.; Godwin Construction Co., 130 E. 44th St., all New York; Consolidated Engineering Co., Inc., St. Paul and Franklin Sts., Baltimore, Md.; Murch Bros. Construction Co., Rwy. Exch. Bldg., St. Louis, Mo.; Simplex Pile Foundation Corp., Keystone Bldg., Pittsburgh, Pa.; Golder Construction Co., 1600 Arch St., Philadelphia, Pa.; John S. Grant, 1110 Investment Bldg.; W. Spencer Brenizer, 101 New York Ave., N. E.; Geo. Hyman Construction Co., 1010 Vermont Ave., N. W.; English Construction Co., 1311 H St., all Washington. 5-10

Fla., Fort Benning—Constructing Quartermaster, Lieut. W. M. Allison, has low bid from Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa., for 1,000,000-gal. steel standpipe. 4-26

Fla., Orlando—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids June 8 for remodeling and enlarging post office; drawings from Custodian at site or from office Supvg. Archt.

Ky., Henderson—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., receives bids June 13 for postmaster's room and interior changes, post office; drawings from Custodian at site or from office Supvg. Archt.

Va., Danville—Following contractors estimating on remodeling post office, bids June 12 by Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C.: H. M. Lucas, 115 Bruce Place, Portsmouth, Va.; Chas. Weitz' Sons, 713 Mulberry St., Des Moines, Iowa; Wm. MacDonald Construction Co., Synd. Tr. Bldg., St. Louis, Mo.; Virginia Engineering Co., First Natl. Bk. Bldg., Newport News, Va.; King Lumber Co., Charlottesville, Va.; Theriault Contracting Co., 534 E. Johnson St., Philadelphia, Pa.; Unkefer Bros. Construction Co., Inc., Bessemer Bldg., Pittsburgh, Pa. 5-10

Va., Norfolk—Virginia Truck Experimental Station, Diamond Springs, has low bid at \$22,992 from Myers & Myers, 110 W. 25th St., for laboratory and office bldg.; Philip B. Moser, Archt., Law Bldg., both Norfolk.

### Hospitals, Sanitariums, Etc.

Ala., Birmingham—Following contractors estimating on \$190,000 Hillman Hospital nurses' and internes' home, bids May 29: A. J. Krebs Co., Walton Bldg., Atlanta, Ga.; T. C. Brasfield, Fairfield, Ala.; Smallman Construction Co., 1109 Fifth Ave. S.; Mann Bros., 2519 Tenth Ave. N.; C. G. Kershaw

Contracting Co., Woodward Bldg.; Jas. H. Elkins Construction Co., Martin Bldg.; Southern Construction Co., 615 S. 11th St., all Birmingham; A. C. Samford, Shepherd Bldg., Montgomery; H. B. Wheelock, Archt., Steiner Bldg., Birmingham. 5-10

Ga., Emory University—Wesley Memorial Hospital, R. H. Oppenheimer, M. D., Supt., plans nurses' home; advises no steps yet taken. 5-10

Ky., Louisville—Jewish Hospital Assn., Floyd and Kentucky Sts., erect \$150,000 wing; rein. conc. and brick, 4 stories, 37x88 ft.; A. Loomis, Archt., Todd Bldg.

La., Jennings—Dr. Morgan Smith, Sec. Treas., Jennings Surgical Clinic, Inc., interested in 10-bed hospital; operating room, laboratory, kitchens, etc.; probably about \$25,000.

La., New Orleans—Treasury Dept., Jas. A. Wetmore, Act. Supvg. Archt., Washington, D. C., probably start work in fall on \$2,000,000 new Marine Hospital; administration bldg., mess hall and hospital connected together; laundry, power plant, garages, refrigerating plant, quarters for officers and nurses' storage bldg., etc.; Maj. W. C. Rucker, Med. Officer in Chg., present hospital.

Md., Sykesville—Springfield State Hospital Bd. of Governors and Visitors, Wade H. D. Warfield, member, Bldg. Comm., Sykesville, having plans drawn by Henry P. Hopkins and Allan Burton, Archts., 347 N. Charles St., Baltimore, for \$200,000 ward bldg.; brick, 3 stories.

Tenn., Knoxville—Eastern State Hospital for Insane, Lyons View, Dr. R. E. L. Smith, Supt., erect \$150,000 men's dormitory; 3 stories, E shape, 255 ft. with 80-ft. wings; Baumann & Baumann, Archts., 813½ Market St.

Tex., Laredo—Mercy Hospital has low bid from Ricardo Ortiz for \$80,000 addition; M. S. Ryan, Archt., Wilcox Bldg. 5-3

Tex., Hutchins—Dallas County Commrs.' Court, Dallas, erect fireproof bldg. for chapel, kitchen and dining room, County Convalescent Home near Hutchins, Dr. A. W. Carnes, Supt.

Tex., San Antonio—Lee Surgical Hospital, Inc., 231 E. Myrtle St., remodel and erect addition to bldg.

Va., South Boston—Dr. R. H. Fuller receives bids May 21 for fireproof addition to South Boston Hospital; \$30,000 to \$35,000, brick, 2 stories, 92 ft. long, X-ray, laboratory, sterilizing rooms, etc.; Eubank & Caldwell, Archts., Boxley Bldg., Roanoke.

W. Va., Huntington—St. Marys Hospital, Rt. Rev. John J. Swint, Bishop of Catholic Diocese of Wheeling, having plans drawn by Wm. P. Ginther, Akron, O., for \$100,000 unit; fireproof, 3 stories and basement, 160x40 ft.

### Hotels and Apartments

Ark., Little Rock—Mrs. N. W. Townsend has permit for 10,000 apartment and garage, 510 W. 17th St.

D. C., Washington—Jas. L. Karrick, Pres., Fidelity Storage Co., 14 N St., N. W., acquired Portland Hotel, Vermont Ave., 14th St. and Thomas Circle; remodel, redecorate, refurnish, install number baths; stores on first floor.

D. C., Washington—George Tomlinson plans \$300,000, 5-story, conc. and brick 49-apartment, 1457 Park Rd., N. W.; Frank Tomlinson, Archt., 1537 Ogden St., N. W.

Fla., Tallahassee—J. G. Kellum receives bids May 19 for 2-story and basement brick apartment; Johns-Manville asbestos shingle roof; G. D. & H. D. Mendenhall, Archts., 311 E. Main St., Lakeland.

Ga., Macon—J. H. Barnwell has permit for \$15,000, 16-room, brick apartment, 117-19 Birch St.

Ky., Louisville—R. F. Lynch, 4803 S. 5th St., has permit for \$50,000 brick apartment, 1646 Eastern Parkway.

La., Bogalusa—Joseph Newman, Kentwood, erect \$40,000, 2-story, brick, stone trim, fireproof hotel on Alabama Ave.; comp. roof, 50 rooms; H. J. Ryan, Archt., Summit, Miss.

La., New Orleans—Nat. W. Gold, 3710 Dumaine St., has permit for \$10,000, 2-story and basement, 3-apartment, Harding Dr. and Dumaine Sts.; also 2-story and basement, 4-apartment, Dumaine St. between Harding Dr. and Bayou St. John; \$20,000.

La., New Orleans—Louis Rosenson, 1600 Baronne St., erect two 28x59 ft., 2-story apartment, Audubon St., between Apricot and Pritchard Pl.; \$12,000.

La., New Orleans—C. Bennett Moore, 109

Baronne St., erect \$36,400, 2-story, 42x95-ft., brick and frame 14-apartment, Napoleon Ave. between Pitt and Prytanla Sts.; tile and comp. roof; Walter Cook Keenan, Archt., London, Liverpool and Globe Bldg.; bids in.

Miss., Batesville—Batesville Hotel Co., H. J. Perkins, Chmn., Bldg. Comm., receives bids May 22 for \$25,000, 2-story brick hotel, Jeff Davis Highway. 3-1

Miss., Jackson—Following contractors estimating on \$375,000, 8-story and basement, 163x70-ft., 200-room, rein. conc., steel, brick, terra cotta trim Waltham Hotel, for which bids are to be received May 22: Seaboard & Southern Construction Co., 101 Marietta St., Atlanta, Ga.; Algernon Blair Co., Montgomery, Ala.; T. S. Moudy & Co., Lindsay St., Chattanooga, Tenn.; W. P. Thurston Co., Inc., N. W. Second Ave., Miami, Fla.; J. T. Holley Co., Ensley, Ala.; Ralph Sollitt & Sons Constr. Co., 228 N. La Salle St., Chicago; L. W. Hancock, Lou. Tr. Bldg., Louisville, Ky.; Wessell Construction Co., 388 N. Front St.; Gauger Korsmo Construction Co., Fidelity Bk. Bldg.; S. & W. Construction Co., all Memphis; Geo. J. Glover Co., Inc., Whitney Bldg., New Orleans, La.; Stewart-McGehee Construction Co., Kahn Bldg., Little Rock, Ark.; W. G. Wetmore Construction Co., W. J. McGee & Son, Fondren School, both Jackson; N. W. Overstreet, Archt., Miss. Fire Insurance Bldg., Jackson. 5-10

Mo., Joplin—Jno. W. Freeman, 3224 Oak Ridge Drive, erect \$40,000, 3-story, brick store and apartment, 20th and Main Sts.; first unit of \$250,000 project consisting of theater, stores and apartments.

Mo., St. Louis—F. A. Scheperle, 5330 Loughborough St., erect two 2-story, 34x50 ft., brick tenements, 5134-40 Eichelberger St.; \$20,000; tar and gravel roofs, warm air heat.

Okla., Cordell—J. M. Armfield erect \$10,000, 2-story, 50x100-ft. brick hotel; Fred O. Ford, Archt.; bids in.

Okla., Crescent—Crescent Hotel Co. received low bid at \$102,850 from McMillen & Shelton, Enid, for 5-story, 90x90-ft., brick, stone, conc., fireproof hotel; built-up roof, cement, tile and wood floors; R. W. Shaw, Archt., Masonic Temple Bldg., Enid. 3-15

Okla., Hartshorne—Hartshorne National Bank directors remodel and enlarge Hartshorne Hotel.

Okla., Mangum—Mangum Hotel Corp., G. W. Brooks, Pres., erect \$125,000, 6-story, brick and conc. hotel; Layton, Hicks & Forsythe, Archts., Oklahoma City.

Okla., Tulsa—Paul A. Wilson, 2010 S. Lewis St., has permit for \$21,000, 2-story, brick, 10-apartment, 1507 E. 14th St.

Okla., Weatherford—Eugene Howe and Associates erect \$50,000, 2-story and basement, 37x40-ft. brick hotel; Sorey & Vahlberg, Archts., Braniff Bldg., Oklahoma City.

S. C., Charleston—J. Freeman Williams, Woodstock Mfg. Co., Center St., convert residence into 6 or more apartments; D. C. Barbot, Archt., 26 Broad St.

S. C., Orangeburg—W. C. Wolfe expend \$50,000 to remodel 4-story and basement, semi-fireproof, brick hotel; built-up roof, steam heat; bids in; Chas. C. Wilson, Archt., Palmetto Bldg., Columbia.

Tenn., Gallatin—Hotel Sumner erect one-story addition.

Tenn., Memphis—Ed Ash, 308 Empire Bldg., plans \$100,000, 2-story and basement, brick veneer apartment, Poplar Ave. and Avalon St.

Tenn., Nashville—Tom Morgan has permit for two brick 4-apartments, 1221-23 16th St.; \$20,000.

Tex., Abilene—Abilene Hotel Co., W. G. Swenson, Pres., received bids May 17 for \$125,000, 2-story, 140x200 ft., brick, tile and rein. conc., east stone trim garage and store; David S. Castle Co., Archts., 701-4 Alexander Bldg.

Tex., Fort Worth—C. A. O'Keefe Properties, 909½ Throckmorton St., selected Mauran, Russell & Crowell, Chemical Bldg., St. Louis, and E. G. Withers, 1308 Dorothy Lane, Fort Worth, as architects for hotel, Fifth and Main Sts.; \$750,000, 15 stories, 100x100 ft., 300 rooms. 3-15

Tex., Houston—J. R. Praytor soon let contract for \$30,000, 2-story, 50x125-ft. brick and tile hotel, 1212 Bell Ave.; F. V. McDaniel, Archt.-Engr., 647 Kress Bldg.

Tex., Fort Arthur—John Forrest Goodhue, Calder Rd., Beaumont, plans to start work on \$550,000, 12-story and roof garden, Spanish type hotel, Waco Ave. and Fifth St.; Tisdale, Stone & Pinson, Archts., Beaumont, and Nashville, Tenn. 12-15-27



## Miscellaneous

Ark., Hot Springs—Kiwanis Club interested in erecting \$25,000 orphans' home.

Ga., Savannah—Savannah Municipal Golf Assn., Mark Silvers, 211 E. 40th St., Chmn., Comm., plans clubhouse; 300 lockers, 16 showers.

Md., Gaithersburg—Methodist Home for Aged, Herman M. Wilson, Sec., broke ground for \$35,000 Epworth League Memorial Hall.

Mo., Kansas City—Stine-McClure Undertaking Co., W. G. Pearson, Pres., 924 Oak St., erect brick building on Robert Gilliam road extension south of Linwood Blvd.; Harry Foster Almon and Wm. R. Bovard, Asso. Archts., both Orear-Leslie Bldg. 4-26

Mo., St. Louis—Market Development Corp., Chas. E. Richardson, Pres., Intl. Life Bldg., promoting erection \$2,000,000 merchants' market, consisting of 75 one and two-story store units, north of Chouteau Ave., between Ranken and Compton Aves.

Mo., West Plains—McFarland Undertaking Co., incorporated; Joe R. Davidson, Pres., erect funeral home.

S. C., Easley—Sam Bowen erect brick building on Main St. to be occupied by Ellison Market.

Tenn., Nashville—Temple Fundamental Assn. erect \$15,000 temple.

Tex., Fort Worth—Fort Worth Stockyards Co., North Fort Worth, considering \$85,000, 80-ft. addition to Coliseum on Exchange Ave.

Tex., San Antonio—Avalon Club Hotel Properties, Inc., Porter Loring, Pres., 206 Jefferson St., received low bid at \$128,122 for 2-story, semi-fireproof, rock and frame Avalon Club Hotel Bldg., New Toll Rd., Medina Lake; Ralph Cameron, Archt., City Natl. Bank Bldg. 5-10

Va., Alexandria—Alexander Post of American Legion interested in restoration of Gadsby Tavern and old City Hotel, N. Royal and Cameron Sts., for museum of history and progress of nation as memorial to Alexandria World War dead; started campaign for \$40,000, \$18,000 for purchase and \$22,000 for improvements.

Va., Norfolk—Norfolk Museum of Arts soon call for bids for \$150,000 building in Lee Park; Carlrow, Browne & Fitzgibbon, Archts., Royster Bldg. 7-27

Va., Richmond—Richmond Battlefield Parks Corp., T. M. Carrington, Pres., considering erecting number rest-houses.

## Railway Stations, Sheds, Etc.

Ga., Savannah—Seaboard Air Line Rwy. Co., W. D. Faucette, Ch. Engr., Realty Bldg., call for bids about May 25 for brick freight depot on Louisville road; built-up roof.

Miss., Bay St. Louis—Louisville & Nashville R. R. Co., W. H. Courtenay, Ch. Engr., Louisville, Ky., erect passenger station to replace burned structure; brick or concrete, with stucco finish.

Okla., Oklahoma City—Interstate Commerce Commission, Washington, D. C., approved construction of \$5,000,000 railroad terminal passenger station to be used jointly by Chicago, Rock Island & Pacific Rwy. Co., C. A. Morse, Ch. Engr., Chicago and St. Louis-San Francisco Rwy. Co., F. G. Jonah, Ch. Engr., St. Louis. 12-1-27

Tex., Dublin—Missouri-Kansas-Texas R. R. Co., F. Ringer, St. Louis, Mo., plans \$32,000, brick combination freight and passenger station.

Tex., Texarkana—Bd. of Control, Texarkana Union Station Trust, J. A. Buchanan, Chmn., Texarkana, meets May 16 to award contract for \$1,700,000 union station terminal; 2 stories, brick, stone, steel and rein. conc., fireproof; E. A. Hadley, Ch. Engr., Missouri Pacific R. R. Co., Railway Exchange Bldg.; E. M. Tucker, Archt., 1164 Railway Exchange Bldg.; Taxis, Becker, Const. Engrs., Chemical Bldg., all St. Louis, Mo. 12-29

## Schools

Ala., Montgomery—Woman's College, Dr. Walter D. Agnew, Pres., soon call for bids for science hall, fine arts building and library; Frank Lockwood, Archt., 119 Adams St. 2-9

Ala., Tuscaloosa—Stillman Institute erect Emily Estes Snedecor Nurses' Training School, gift of Missionary Society of Southern Presbyterian Church.

Ark., Ola—Yell County Bd. of Education, T. A. Wright, Supt., Dardanelle, plans 2-story brick school; bond election May 19.

Ark., Rudy—Rudy School Dist. No. 949 plans vote on bonds for school to replace

structure damaged by storm; J. P. Bingham, Hull, Archt., Merchants Bank Bldg., Jacksonville, Supt. of Schools, Van Buren. 5-10

Fla., Miami—Dade County Bd. of Public Instruction, Chas. Fischer, Supt., receives bids May 30 for 230x190-ft., 22-classroom, cafeteria and auditorium school, Miami Shores, and 95x60-ft., 5-classroom school at Kendall; rein. conc., hollow tile, fireproof; Robertson & Patterson, Archts., Calumet Bldg. 2-9

Fla., Umatilla—Umatilla School Dist. No. 6, Lake County, voted \$10,000 bonds.

Ga., Atlanta—DeKalb County School Bd., W. D. Thompson, Candler Bldg., Chmn., Bldg. Comm., erect \$250,000, 3-story, rein. conc., brick and tile school for Emory Community; built-up roof, tile and conc. floors, steam heat; Ivey & Crook, Archts., Candler Bldg.

Ga., Atlanta—City Bd. of Education, R. R. Ritchie, Asst. Supt., receives bids May 28 (extended date) for additions to following schools: Forrest Ave., Georgia Ave., Goldsmith, Commercial High, Adair and South Atlanta; \$250,000; also open bids June 15 for equipment for all buildings now authorized; \$100,000 to \$150,000. 5-10

Ga., Americus—New Era School Dist. Trustees, C. S. Hogg, Chmn., erect \$20,000 brick school; E. T. Moore, Sumter County Supt. of Schools. 4-26

Ga., Cairo—Bd. of Education soon call for bids for \$30,000, one-story and basement, 8-classroom and auditorium school; brick veneer, comp. roof, conc. and wood floors; Lockwood & Poundstone, Archts., Forsyth Bldg., Atlanta.

Ga., Denton—Bd. of Education erect \$15,000, 7-room and auditorium, brick school; comp. roof, wood floors; Wm. W. Simmons, Archt., Eastman; bids in.

Ga., Eastman—Bd. of Education erect \$20,000, 8-classroom and auditorium, brick and hollow tile school; comp. roof, wood and conc. floors; Wm. W. Simmons, Archt.; bids in.

Ga., Marietta—Cobb County Bd. of Education, Bernard Awtrey, Supt., erect \$20,000, one-story, brick veneer school in Elizabeth School Dist.; comp. roof, wood floors; Lockwood & Poundstone, Archts., Forsyth Bldg., Atlanta.

Ga., Moultrie—Bd. of Education, F. R. Pidcock, Chmn., receives bids May 23 for \$75,000, one-story and basement, 253x130-ft., brick high school; cast stone trim, struct. steel, conc. and wood floors; separate bids for plumbing; plans at office Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta; following contractors estimating: W. J. Pippen, J. B. Brown, Huber Construction Co., J. W. Milligan, all Moultrie; Grahn Construction Co., W. P. Francis, 201 Luckie St. N. W., both Atlanta; West Point Iron Works, West Point; D. D. Thomas & Son, Ft. Laura St., Jacksonville, Fla.; Gulf Stream Engrs., Inc., Delray Beach, Fla.; Jacobs & Harrington, Ashford, Ala.; Haverstick Construction Co., Quitman; Jno. T. Ragan & Co., Vidalia; Milligan & Jinnright, Thomasville. 4-12

Ga., Waverly—Waverly Consolidated School Dist. Trustees, E. Kelly, Sec., erect one-story school and auditorium; brick, wood floors, comp. roof; Lauren Parrott, Archt., Fitzgerald; bids in.

Md., Baltimore—Municipal Architectural Comn. selected Smith & May, Calvert Bldg., as architects of \$1,000,000 Forest Park High School to be built on 11-acre site on Barrington road near Garrison Blvd.; accommodate 2000 pupils; Dr. David E. Weglein, Supt. Public Instruction. 5-3

Md., Baltimore—Johns Hopkins University plans \$150,000, 200x90-ft. athletic and general activities building; brick and steel, arched solid glass roof, basement to provide showers and lockers for 500 students; Palmer & Landin, Archts., 513 N. Charles St.; Frederick Bauernschmidt, Old Town Natl. Bk. Bldg., Chmn., Campaign Comm.

Md., Chevy Chase—Shrine of the Most Blessed Sacrament, Rev. Thomas G. Smyth, Pastor, erect \$300,000, 125x164-ft., 2-story and basement, fireproof parochial school, Patterson St.; Bethesda granite exterior with mat glazed terra trim; 6 classrooms, auditorium, assembly rooms, gymnasium; Milburn, Heister & Co., Archts., Hill Bldg., Washington, D. C.

Md., Thurmont—Frederick County Bd. of Education, G. Lloyd Palmer, Supt., Frederick, rejected bids for 6-room and basement fireproof addition and alterations to high school; J. B. Hame, Archt., York, Pa. 5-10

Miss., Carthage—Carthage Consolidated School Dist. Trustees erect \$25,000, 2-story, rein. conc. and brick school; Emmett J.

Miss., Georgetown—Georgetown School Dist. Trustees erect \$30,000, one-story, rein. conc. and brick school; Emmett J. Hull, Archt., Merchants Bank Bldg., Jackson. 5-10

Miss., Jackson—State plans \$4,950,000 building program as follows: University of Mississippi, \$1,600,000 for law and medical schools including hospital, dormitories for boys and girls; A. and M. College, \$450,000 for agricultural building, boys' dormitory, experiment stations, professors' residences, roads, wells and purchase additional sites; Mississippi State College for Women, \$550,000 for remodeling old chapel into library, home economics, bacteriology and hygiene buildings, practice school and equipment, walks, roads, drainage and tunnels; Alcorn A. and M. College, \$225,000 for administration and agricultural buildings, science and dining halls, trades building, hospital and equipment; State Teachers' College, \$470,000 for administration building, dormitory, dining hall and equipment, walks, drainage; Delta State Teachers' College, \$365,000 for academic building, women's dormitory, dining hall, heating plant, cottages for professors; Colony for Feeble Minded, \$590,000 for dormitory, service building and laundry; Tuberculosis Sanitarium, \$330,000 for child's ward, chapel, walks, repairs, landscaping, farm buildings and equipment; Industrial and Training School, \$175,000 for light plant, laundry equipment vocational equipment girls' dormitory and general repairs; East Mississippi Insane Hospital, \$225,000 for power house, bakery, ice plant and cold storage; National Guard camp near Biloxi, \$20,000 for caretaker's house, barns, assembly hall, Y. M. C. A. and canteen building, grading, leveling and drainage; Deaf and Dumb Institute, \$20,000 for repairs; Charity Hospitals at Laurel, Vicksburg and Natchez, each \$25,000 for repairs and equipment; John Faulkner, Oxford, and O. J. Turner, Belzoni, members of Building Comsn.

Miss., Jackson—Mississippi College, Dr. D. M. Key, Pres., erect \$150,000 science building, first unit of \$650,000 expansion program; H. N. Austin, Archt. 5-10

Miss., Long Beach—School Trustees, H. L. Blackmarr, Pres., received low bid at \$27,800 from Beckelheimer & Small, Gulfport, for 2-story, 164x98-ft. brick high school addition; Shaw & Woleben, Archts., Northrop Bldg., Gulfport. 4-19

Miss., Meridian—Lauderdale County voted \$50,000 bonds for schools, teachers' home and improvements. 4-26

Mo., Boonville—Kemper Military School Trustees soon call for bids for one-story addition to power plant, including installation engine-generator unit; Henric-Lowry Engineering Co., Engr., Security Bldg., Kansas City, Mo.

Mo., Independence—Andrew Drumm Institute, H. R. Nelson, Supt., plans to start work soon on \$50,000 clubhouse, cottage for superintendent, and remodeling 2½-story, brick residence; Keene & Simpson, Archts., 1005 Land Bank Bldg., Kansas City.

Mo., Hickman Mills—Bd. of Education erect \$60,000, 2-story brick high school; Owen, Saylor & Payson, Archts., 505 Interstate Bldg., Kansas City, Mo.

Mo., St. Louis—Bd. of Education approved preliminary plans for Sam M. Kennard and Lindenwood Schools; also addition to Walbridge School; \$790,000; R. M. Milligan, Archt., 4156 Flora Bldg.

Mo., St. Louis—McBride Catholic High School, care Brothers of the Society of Mary, 1905 N. Kingshighway, soon call for bids for \$100,000, 3-story brick faculty house; H. P. Hess, Archt., Ambassador Bldg.

Mo., Troy—Bd. of Education, W. T. Baker, Sec., erect \$40,000, 2-story brick high school; W. Mampe, Archt., Buder Bldg.

Mo., University City, St. Louis—Bd. of Education, Alfred Fairbanks, Pres., has plans by Ferrand & Fitch, 6188 Delmar St., and Trueblood & Graf, Chemical Bldg., for first unit of Senior High School, Jackson Blvd. and Balsom Ave.; accommodate 2000 pupils; vote May 23 on \$550,000 bonds. 5-10

N. C., Charlotte—Mecklenburg County Bd. of Education erect \$20,000 school in Providence township.

N. C., Rutherford College—Rutherford College, Connolly Springs, and Burke County co-operate in erecting \$30,000, 140x100 ft., 9-room and auditorium stone graded school; Q. E. Herman, Archt., Hickory; water system to be installed by Latta-Martin Pump Co., Hickory.

Okla., Antlers—Catholic Congregation, care Rev. Bishop Kelley, Oklahoma City, receives bids about May 15 for \$25,000, 2-story

and basement, hollow tile and stucco addition to Catholic Indian Mission School; C. L. Monnot, Archt., 1304 W. 10th St., Oklahoma City.

Okla., Butler — Bd. of Education erect \$20,000, one-story and basement brick school; Tonini & Bramlett, Archts., 416½ W. Main St., Oklahoma City.

Okla., Elk City—City votes soon on \$100,000 school bonds.

Okla., Enid—Phillips University, Dr. I. N. McCash, Pres., considering \$500,000 expansion program, including gymnasium, two main buildings and chapel with larger auditorium.

Okla., Limestone Gap—Bd. of Education, L. B. Lynch, Chockie, erect \$10,000 school auditorium; one story, 55x85 ft., brick; James B. White, Archt., Ardmore.

Okla., Wannette—School Bd. erect building; \$12,000 bonds voted.

S. C., Bennettsville—Marlboro County Bd. of Education, Dr. O. A. Matthews, Sec., have plans revised and call for new bids for 10-room elementary school, 14-room and auditorium colored school and gymnasium; H. D. Harrell, Archt. 4-19

S. C., Gray Court — Gray Court-Owings School Dist. Trustees improve schools; \$31,000 bonds voted.

S. C., Nichols—Bd. of Education, H. M. Elliott, Chmn., erect \$25,000 one-story and basement, 8-room and auditorium, brick school; comp. roof, wood floors; L. McD. Hicks, Archt., Florence; bids in.

Tenn., Bluff City—Sullivan County Bd. of Education, Blountville, erect school at Mountain View near Bluff City; bids in.

Tenn., Ooltewah—Southern Junior College, Dr. H. J. Klooster, Pres., plans industrial building.

Tenn., Wartrace—School Bd. erect \$37,000 high and grammar school to replace burned structure; Geo. D. Waller, Archt., 911 Independent Life Bldg., Nashville. 5-10

Tenn., Wartburg—Morgan County voted \$55,000 bonds; erect school at Petros, improve buildings at Coalfield, Sunbright, Burrville and Oakdale.

Tex., Alvin—Alvin Ind. School Dist. votes May 29 on \$80,000 high school bonds; Dr. J. W. Vogan, Pres., Bd. School Trustees.

Tex., Arcadia—Santa Fe Consolidated School Dist. No. 2, care Galveston County Bd. of Education, Galveston, receives bids June 1 for high school on Alvin-Galveston highway, between Arcadia and Alta Loma; plans at office Harry D. Payne, Archt., Kirby Bldg., Houston.

Tex., Austin—State Board of Control, R. R. Walthall, Chmn., soon call for bids for \$50,000, 2-story, 33x134-ft. dormitory and \$12,000, 32x40-ft. employees' home addition at Austin State School; both rein. conc. brick, comp. roof, stone trim, wood, cement and tile floors, steam heat (from central plant); H. F. Kuehne, Archt., 824 Littlefield Bldg.

Tex., Big Spring—Bd. of Education, Dr. E. O. Ellington, Pres., receives bids May 21 (extended date) for 3-story, 124x58-ft. high school addition; brick and rein. conc., tile, terrazzo and wood floors; plans at office Trost & Trost, Archts., Two Republics Building, El Paso. 5-10

Tex., Coleman—Coleman Ind. School Dist. voted \$38,000 bonds for ward school annex. 4-19

Tex., Cuero—Cuero Ind. School Dist. Trustees erect John C. French School and high school; \$125,000; M. C. Kleuser, Republic Bk. Bldg., Dallas, probable Archt. 4-19

Tex., Denton—College of Industrial Arts receiving bids for \$150,000 dormitory.

Tex., Edna—Bd. of Education erect high school and negro school; \$65,000 bonds voted; Hardy & Curran, Archts., Nixon Bldg., Corpus Christi. 4-26

Tex., Elkhart—Elkhart Ind. School Dist. voted \$30,000 high school bonds.

Tex., Iraann—Iraann School Dist. voted \$20,000 school bonds. Address Pecos County School Bd., Pecos.

Tex., Hamilton—School Bd., F. C. Williams, receives bids May 17 for 2-story brick auditorium and school; separate bids for heating, plumbing and wiring; Wm. C. Meador, Archt., Dan Waggoner Bldg., Fort Worth.

Tex., Houston—Harris County Bd. of Education, W. G. Smiley, Supt., plans consolidation 6 school districts in northern part of county and erection \$100,000, 12-room agricultural and vocational school.

Tex., Kenedy—Kenedy Ind. School Dist. Trustees receives bids May 17 for 4-room ad-

dition and remodeling grammar school; \$16,000; Will N. Noonan Co., Archt., Builders Exchange Bldg., San Antonio. 4-26

Tex., Kosse—Town votes June 2 on \$20,000 school bonds; S. T. Jones, Pres., Bd. of Education.

Tex., Liberty Hill—Bd. of Education erect 33x128-ft. brick school addition; wood floors, comp. or Johns-Manville roof, hot air heat; \$20,000 bonds voted; H. F. Kuehne, Archt., 824 Littlefield Bldg., Austin.

Tex., Mesquite—Mesquite Ind. School Dist. voted \$30,000 ward school bonds; Mrs. J. C. Rugel, Pres., Bd. of Trustees.

Tex., Newton — Newton County Bd. of Education, D. E. Dougherty, Pres., plans \$37,000 12-room and auditorium school in Bonford Rural School Dist.; Livesay & Wiedemann, Archts., 607 San Jacinto Life Bldg., Beaumont.

Tex., Orangefield—Orange County School Bd., Orange, considering \$50,000 to \$60,000 school to replace burned structure.

Tex., Pandora—Pandora Ind. School Dist. erect brick school; \$22,000 bonds voted.

Tex., Pasadena—Pasadena Ind. School Dist., Oscar Kruse, Sec., receives bids May 16 for auditorium, gymnasium and several classrooms as high school addition, elementary school addition, and heating systems in each building; \$100,000; plans at office John McLelland, Archt. 5-10

Tex., Pecos—School Bd. plans high school; vote May 19 on \$80,000 bonds.

Tex., Vega—Bd. of Education erect \$80,000 grammar and high school; brick, conc. and stucco, 2 stories and basement, 14 classrooms, laboratories, auditorium, gymnasium, library; E. F. Rittenberry, Archt., Amarillo.

Tex., West University Place, Houston—West University Place Ind. School Bd., Jack Rafferty, Chmn., erect grade school, 2 junior high schools, senior high and stadium on University Blvd.; \$600,000; Lamar Q. Cato, Archt., Bankers Mortgage Bldg., Houston.

Tex., Wichita Falls—Wichita County, Weeth School Dist. voted \$20,000 bonds.

Va., Blacksburg—Virginia Polytechnic Institute received bids May 17 for \$150,000, 200x40 ft., 3-story dormitory and \$110,000 Patton Electrical Engineering Hall; both stone and conc. former slate roof, latter slag roof; Carneal & Johnston, Archts., Electric Bldg., Richmond; Wiley & Wilson, Heating Engrs., Peoples Natl. Bank Bldg., Lynchburg. 5-10

Va., Martinsville — Henry County Bd. of Education, B. Clifford Goode, Supt., erect school; bids in.

Va., University — University of Virginia, Dr. E. A. Alderman, Pres., has \$600,000 available for dormitories, to accommodate 300 students, and academic building; Walter D. Blair, 154 E. 61st St., New York; R. E. Lee Taylor, of Fisher & Taylor, Union Tr. Bldg., Baltimore; John K. Peebles, of Peebles & Ferguson, Law Bldg., Norfolk, Asso. Archts.

W. Va., Barboursville—Barboursville Joint High School Bd. of Education receives bids June 1 for first unit of high school; plans at office Wm. Francis Diehl, Archt., 626 Robson-Prichard Bldg., Huntington.

## Stores

Ark., El Dorado—McWilliams Hardware & Furniture Co., A. R. Graves, Mgr., soon start work on \$75,000, 3-story, fireproof store, S. Washington and Locust Sts.

Ark., Pine Bluff—Ted Dansby erect \$50,000, one-story, 150x150-ft. brick and stone store, 6th and Olive Sts.; Durward F. Kyle, Archt., Natl. Bank Bldg.

D. C., Washington—L. R. Moss, 816 Connecticut Ave., N. W., reported, preparing plans for \$75,000 alterations to store in N. W. section.

Fla., Miami Beach—Wm. Taradash, 1461 Washington Ave., erect 50x60-ft. store, Washington Ave. and Seventh St.; also 150x60-ft. store, Lincoln Rd., between Michigan and Jefferson Aves.; conc. and brick, tile and wood floors, tile and comp. roofs; Alexander Lewis, Archt., 441 Meridian Ave.; R. A. Belsham, Engr., Calumet Bldg., Miami.

Fla., Palm Beach—Palm Beach Co., Seaview Ave., erect four 2-story business buildings, Palm Beach and Seaview Aves.; stucco, quarryry stone trim; Treanor & Fatio, Archts., Phipps Plaza.

Ga., Atlanta—White Provision Co., 55 Central Ave., received low bid from Smith & Williams, Red Rock Bldg., for 2-story and basement, 99x50-ft., brick and rein. conc. building at Hunter and Washington Sts.; Indiana limestone trim, Barrett or tar and

gravel roof; R. Kennon Perry, Archt., Wynne-Cloughton Bldg. 4-26

Ga., Augusta—Schulte United, Inc., New York, remodel 2 stores; \$40,000; Willis Irvin, Archt., Leonard Bldg.

Ga., Blakely—Chancey Supply Co. rebuild store burned at loss \$25,000.

Miss., Laurel—Laurel Wholesale Grocery, Central Ave., J. H. Walker, Mgr., erect building on Railroad Ave.

Mo., Cape Girardeau—B. R. Caldwell call for bids about June 1 for 2-story brick store, 432-34 Broadway; R. K. Knox, Archt., both H. & H. Bldg.

Mo., Jefferson City—Paul W. Schmidt, soon call for bids for \$50,000, 2-story brick store and apartment; Kennerly & Stegmeyer, Archts., Title Guaranty Bldg., St. Louis.

Mo., Joplin—I. J. Adams, 1422 Main St., advises will not erect building, 15th and Main Sts., this year. 5-10

Mo., St. Joseph—Sears, Roebuck & Co., R. E. Wood, Chicago, leased part of Weigel Bldg., 107 S. 6th St.; remodel.

Mo., St. Louis—Wm. Duerbeck, 2300 Benton Ave., soon call for bids for \$35,000, 2-story brick store and apartment, Union and Easton Aves.; Garhard Becker, Archt., 425 Georgia St., Ferguson, Mo.

Okla., Lawton—C. W. Clifford erect \$15,000 store and apartment; 2 stories and basement, 50x75 ft., brick; Guy Dale, Archt.

Okla., Marshall—R. J. Castor erect brick building to replace burned structure.

Okla., Tulsa—Fred Wolfertman, Inc., Kansas City, F. M. Rodolf, Local Agent, 16 W. Fifth St., expend \$100,000 for remodeling 125x100-ft. brick store, 15th and Carolina Sts.

Tenn., Memphis—F. H. Bean, 1603 Union Ave., erect \$12,000, one-story, 90x75-ft., brick store, 1603-7 Union Ave.

Tenn., Memphis—W. E. Graves, 988 Peabody St., plans \$40,000, one-story, 90x170-ft., brick store, Madison Ave. and McLean St.

Tex., Miles—W. M. Simmons and Geo. P. Hester of Robert Lee soon let contract for brick and tile grocery store.

Tex., Houston—D. L. Broschke, Shepherd Dr., expend \$60,000 for remodeling building on Main St. for soda fountain and confectionery to be known as Darcy's.

Tex., San Angelo—Leon Fine plans 2-story addition to J. C. Develin building, 220 S. Chadbourne St.

Tex., San Antonio—H. C. Thorman Co., Real Estate Bldg., erect one-story, brick, stucco, stone, tile and stucco, 6-store group, Olmos Park Estates; Phelps & Dewees, Archts., Gunter Bldg.

Va., Richmond—John Ebersson, 200 W. 57th St., New York, and Chicago, and Carneal & Johnston, Electric Bldg., Archts., reported, preparing plans for \$1,500,000 Broad-Grace Arcade, 130 ft. on Grace St., 184 ft. on Third St. and 58 ft. on Broad St.; 3 stories, 30,000 sq. ft. floor space, steel and conc., fireproof; 25 stores on first floor, second and third floors for offices, basement for restaurant; elevators; Morton G. Thalheimer, Inc., 1013 Main St., promoting erection and have charge of building management upon completion.

## Theaters

Miss., Bay Springs—W. O. Mason and O. E. Ford erect 26x80-ft. cement block theater on Fifth Ave.

Miss., Carthage—Dr. W. P. Edwards and Geo. H. Chadwick soon let contract for 26x100-ft. brick moving picture theater.

Miss., Picayune — Lockett & Chachere, Archts., Balter Bldg., New Orleans, received low bid at \$40,680 from A. Garrett, Maritime Bldg., New Orleans, for 2-story, brick, hollow tile and steel theater, store and office building for Mrs. Jennie D'Antoni. 4-26

Tex., Dallas—Public Theaters Corp., 16 E. 42d St., New York, John J. Friedl, Dist. Mgr., 1808 Summit St., Dallas; expend \$200,000 improving Palace Theater.

Va., Norfolk—Fox Theaters Corp., subsidiary of Fox Films Corp., 850 Tenth Ave., New York, Geo. W. Fuller, Dist. Mgr., 336 Second St., N. E., Washington, D. C., reported, negotiating for site for \$2,500,000 theater; seat 3000.

## Warehouses

Ky., Horse Cave—Peoples Loose Leaf Tobacco Warehouse Co., W. S. Carver, Pres., erect sheet steel warehouse; 16,000 sq. ft. floor space.

La., New Orleans—The Gallia Trading Co. erect warehouse, Tchoupitoulas and Second Sts.



Miss., Meridian—Gulf, Mobile & Northern R. R., L. P. O. Exley, Ch. Engr., Mobile, Ala., plans \$18,000, 2-story, brick and conc., fireproof freight warehouse.

Tex., Beaumont—A. Hard, 725 Main St., erect \$30,000, brick, fireproof warehouse, Hickory and Main Sts.

Tenn., Gallatin — M. M. Ford and asso-

ciates plan 75x350 ft. tobacco warehouse.

Tenn., Memphis — O. K. Storage and Transfer Co., 161 Jefferson St., reported, erect \$400,000, 6-story and basement, 360x190 ft., rein. conc., brick and struct. steel warehouse and storage building on Union Ave.; stone and tile trim, conc., terrazzo and tile floors, built-up roof, steam heat; Estes W. Mann, Archt., Cotton Exch. Bldg.

## BUILDING CONTRACTS AWARDED

### Association and Fraternal

Mo., St. Louis—J. A. Schaefer Construction Co., 520 N. Grand Blvd., has excavation contract for \$1,000,000 Pythian Tower; Trueblood & Graf, Archts., Chemical Bldg.; Brusel & Viterbo, Constt. Engrs., Arcade Bldg.; Dickie Construction Co., Contr., Louderman Bldg. 3-22

Tenn., Memphis—Dr. Motley, 615 Jennette St., erect \$14,000 store and lodge bldg., N. Main St. and Saffrans Ave.; brick, 2 stories, built-up roof, plate glass front; Raymond B. Spencer, Archt., Fidelity Bank Bldg.; W. C. Stout, Contr., 719 Maury St. 5-10

Tex., Mercedes—American Legion let contract to Valley Construction Co., Harlingen, for \$10,000 Spanish type clubhouse; hollow tile and stucco, 1 story, tile roof; R. Newell Waters, Archt., Weslaco. 4-19

### Bank and Office

Md., Baltimore—Hoffberger & Co.; 3-story, rein. conc. office bldg.; M. A. Long Co., Contr., 10 W. Chase St. See Ice and Cold Storage Plants.

Mo., Sedalia—Sedalia National Bank erect Bedford stone building; 2 stories; St. Louis Bank Building and Equipment Co., Archt.-Constr. Supvr., 900 Sidney St., St. Louis.

S. C., Charleston—Atlantic Savings Bank, Angus E. Bird, Pres., erect \$100,000 stone building; rein. conc. and steel, 2 stories and basement, orna. iron and steel, steel sash and doors, tile, marble and conc. work, built-up roof; Olaf Otto, Contr.-Engr., Arcade Bldg., Savannah, Ga. 5-10

Tenn., Johnson City—Summers Hardware Co. has contract at about \$10,000 for equipment and fixtures for banking room, Erwin National Bank.

Tex., Austin—Pyramid Stone Co., National and Center Sts., Houston, has stone facing contract at \$37,850 for 12-story medical and professional bldg. for O. O. Norwood, Seventh and Colorado Sts.; Giesecke & Harris, Archts., 207 W. Seventh St.; Frank Barron, Contr., 121 W. Seventh. 4-26

Tex., Knoxville—Morris Plan Bank, 218 N. Gay St., let contract at \$56,000 to A. R. McMurry, 502 Island Home Ave., for brick, stone and conc. building, W. Clinch Ave.; 2 stories and basement, 30x100 ft., rubber tile floors, conc. foundation, comp. roof; Baumann & Baumann, Archts., 813½ Market St. 5-3

Va., Vienna—Harris Levy & Co., erect office building; brick, 1 story; day labor.

### Churches

Ala., Jackson—Methodist Episcopal Church let contract to J. Z. Garrett for \$30,000 building; brick, 2 stories and basement, 62x100 ft., cement and wood floors, Eternit asbestos shingle roof; W. W. Andrews, Archt.; all orders placed. 5-10

Ala., Montgomery—Forest Avenue M. E. Church, South, erecting \$32,000 Sunday school; brick and hollow tile, 3 stories, 95x44 ft., with 42x38-ft. wing, conc. and pine floors, conc. foundation, comp. roof; H. D. Pyron, Archt.-Contr., Ponce de Leon Ave. 5-3

Ala., Tuskegee — Methodist Episcopal Church let contract to T. A. Monk on cost plus basis to remodel building; Frank Lockwood, Archt., 119 Adams St., Montgomery. 5-10

Ark., Plumerville—Methodist Church, Rev. J. L. Rowland, Pastor, laying foundation for \$10,000 bldg. to replace burned structure.

Ga., Manchester—Methodist Church erect brick bldg.; comp. roof; plans by Rev. Chas. M. Lipham; Sam Miller, Contr., Newnan.

La., Shreveport—Central Christian Church let contract at \$44,489 to H. C. Bellows, Ricou-Brewster Bldg., for Sunday school addition; brick and rein. conc., 3 stories, 60x100 ft.; Jones, Roessle, Olschner & Wiener, Archts., Ardls Bldg. 4-26

Miss., Brooksville — Methodist Episcopal Church let contract for \$15,000 bldg. to J. H. Morton, Williston, Tenn.; brick veneer, 1 story, 52x80 ft., pine floors, tile and comp.

roof; Alsop — Callanan, Archts., U. & P. Bk. Bldg., Memphis, Tenn. 4-26

Mo., St. Louis—Serbian Orthodox Church erect \$10,000 brick building, 1910 McNair St.; 1 story, 32x50 ft., slate roof; C. Thurston, Archt., Webster Groves; L. Burgdenich, Contr., Union and Easton Sts.

N. C., Statesville — Broad Street M. E. Church, South, let contract for \$50,000 Sunday school to J. A. Jones Construction Co., Commercial Bk. Bldg., Charlotte; non-fireproof, brick, frame partitions, floors and roof, 2 stories and basement, 65x153 ft., beech floors, conc. foundation, 5-ply built-up asphalt roof; Edwin B. Phillips, Archt., Fidel. Bk. Bldg., Memphis, Tenn. 5-3

Tenn., Stanton—Methodist Church let contract for \$14,000 brick bldg. to Luther Parham, 586 N. Hays Ave., Jackson.

Tex., Baytown—Roman Catholic Church let contract for \$10,000 frame building to H. A. Owens, Houston.

Tex., Paducah—Methodist Episcopal Church, South, let contract for \$30,000 bldg. to S. H. Gentry; brick and stone, 2 stories and basement, 32 rooms; E. C. Smith & Sons, Archts., Const. Indus. Bldg., Dallas. 4-12

Va., Richmond—Third Presbyterian Church erect brick \$40,000 Sunday school after plans by L. Otis Spiers, 3418 Floyd Ave.; 3 stories, 40x75 ft., wood and conc. floors, brick foundation, asphalt roof; remodel church; Davis Bros., Inc., Contr., 1716 Summit Ave. 5-10

### City and County

Miss., Philadelphia—Neshoba County Bd. of Suprvs. let contract at \$68,478 to Howell Construction Co., for rein. conc., brick and cut stone trim courthouse; fireproof, 2 stories, built-up comp. roof; R. C. Springer, Archt., Rosenbaum Bldg., Meridian. 4-19

Tenn., Lewisburg — Marshall County let contract for \$115,000 courthouse to Martin & Warlich, James Bldg., Chattanooga; steam heating, plumbing and elect. work, Lewisburg Plumbing and Heating Co., Lewisburg; fireproof, 3 stories and basement, 60x100 ft., conc. and terrazzo floors, native stone foundation, conc. roof; address proposals on furnishings, equipment, etc., \$15,000, to J. P. Fitzpatrick, Chmn., or E. S. Clayton, Sec.; Hart, Freeland & Roberts, Archts., Ind. Life Bldg., Nashville. See Want Section—Building Material and Equipment. 4-26

### Dwellings

Ala., Attalla—J. S. Anderson erect 2-story residence, Hughes Ave.; 32x42 ft., pine floors, brick foundation, slate roof; C. E. Waldrop, Archt.-Contr.

Ala., Hollywood—B. S. Brush, 1040 N. 81st Place, Birmingham, erect \$10,000 brick veneer residence, Norfolk St. near Dixon St.; 2 stories, 40x41 ft., comp. roof; day labor.

Ala., Hollywood—M. G. Stackhouse, 1620 S. 14th Ave., Birmingham, erect \$10,000 residence, Yorkshire Drive; brick veneer, 1 story, 44x58 ft., comp. roof; day labor.

D. C., Washington—Breuninger & Co., 7532 Alaska Ave., N. W., has permit for 6 dwellings, 3700 block Yuma St., N. W.; 2 stories, brick; \$48,000; owners build.

D. C., Washington—W. C. & A. N. Miller, 1119 17th St., N. W., has \$13,000 permit for brick and frame dwelling, 4530 Cathedral Ave., N. W.; 2 stories; owner builds.

D. C., Washington—C. W. Gaskins, 5913 Georgia Ave., N. W., erecting 2 dwellings, 604-06 Oglethorpe St.; brick, 2 stories, 26x40 ft., oak floors, slate roofs; \$16,000; Geo. T. Santmyers, Archt., 917 Fifteenth St., N. W.; owner builds. See Want Section—Building Material and Equipment.

Fla., Coconut Grove, Miami—F. J. Alexander let contract at about \$21,000 to E. L. McRae, 4040 Estrada Ave., for residence; W. C. DeGarmo, Archt., 39 S. E. Sixth St., Miami. 4-26

Fla., Jacksonville—Geo. P. Allen, 1636 Liberty St., erect \$10,000 brick veneer residence, Pine St. near Talbot St.; 2 stories; Neal D. Evans, Contr., 216 Main St.

Fla., Jacksonville—Geo. H. Baldwin, Barnett Bldg., erect \$34,500 residence, Ortega Blvd. near Park Ave.; brick and tile, 2 stories; Arthur Perry, Jr., Contr., Fla. Bk. Bldg.

Fla., Jacksonville—Jas. L. Murphy, 2627 Forbes St., erect \$11,500 residence, Post St. near King St.; brick veneer, 2 stories; R. F. Snyder, Contr., 215 Mitchell St.

Fla., Jacksonville—Mrs. E. V. Richeson, 1716 Edgewood Ave., erect \$10,500 residence, Edgewood St. near Fitch St.; brick veneer, 2 stories; H. F. McAden, Contr., 3327 Riverside Ave.

Fla., Miami—H. A. Fay, care Henry LaPointe, Archt., 805 Huntington Bldg., remodel 2 dwellings, Point View and 30 N. E. Ninth St.; \$12,000; owner builds.

Fla., Miami Beach—Fred D. Breit, 227 Espanola Way, let contract to J. Gordon Hussey, Renuart Bldg., Coral Gables, for 2 dwellings; \$10,000; F. Wyatt Woods, Archt., Ingraham Bldg., Miami.

Fla., Miami Beach — Dr. E. J. Fithian, Grove Park, Pa., start work June 1 on \$50,000 fireproof residence, Collins Ave.; rein. conc., 2½ stories, 49x62 ft., rubber and comp. floors, pile wood and rein. conc. foundation, conc. and built-up roof; furnishings, equipment, etc., \$50,000; W. P. Shappell, Archt.-Engr., 1350 Collins Ave.; owner builds. See Want Section—Building Material and Equipment. 5-10

Fla., Miami Beach—F. O. Butler, 223 W. Monroe St., Chicago, let contract for \$30,000 residence, Belle Isle; start \$35,000 dwelling upon completion of above.

Fla., Miami Beach—Hollis Bush, 1110 Biscayne Bk. Bldg., let contract for \$20,000 residence to J. R. Sibley, Alton Rd.; stucco and conc. block, 2 stories, 42x48 ft., tile roof; Lee Wade, Archt., 2314 Ponce de Leon Blvd., Coral Gables. 4-26

Fla., Miami Beach—Fred Tod Let contract for \$20,000 additions to residence to John C. Gaffney, 708 Collins Ave.; 1 story, 75x60 ft.; R. A. Taylor, Archt., 325 Espanola Way.

Fla., Tampa—Frost Construction Co., 607 Marion St., erecting French type dwelling, 86 Bahama Circle, Davis Islands, after plans by Schumacher & Winkler, 610 Magla St.; 14 rooms; owner builds. 4-26

Fla., Tampa—J. A. Kessler, Crescent Apt., erecting English type residence, 415 W. Davis Blvd., Davis Islands, after plans by T. A. MacEwan, Architectural Engr.; 6 rooms, thatched roof; Burk & Luther, Contrs., 409 Cass St. 4-26

Fla., Tampa—Frederic Mays erect dwelling, Corsica and Blanca Aves., Davis Islands; plans and constr. by owner.

Fla., Tampa—Mrs. Roberta W. Mickler erecting Colonial residence, 21 Bahama Circle, Davis Islands, after plans by Frank Dunham, 608 Tampa St.; brick, 8 rooms; T. Bakker, Contr., 4618 Tumb Ave. 4-26

Fla., West Palm Beach—E. Z. Nutting, Huntington, Long Island, N. Y., let contract to Arnold Construction Co., Harvey Bldg., for \$100,000 residence, S. Ocean Blvd.; Spanish-Gothic type; Julius Jacobs, Archt., 500 W. Lakewood Rd. 4-19

Ga., Atlanta—Maddox & Tisinger, 730 Candler Bldg., erecting 15 brick bungalows and 2-story dwellings; hot air and steam heat; about \$7500 each; plans and constr. by owners. See Want Section—Building Material and Equipment. 5-10

Ga., Atlanta—J. M. Sanders, Box 2081, erect 2 duplexes, 391-417 Eighth St. N. E.; brick veneer, 2 stories and basement, hardwood floors; \$20,000; owner builds.

La., New Orleans—Nat Gold, Contr., 3710 Dumaine St., erect 2 dwellings, Dumaine and Harding Drive.

La., New Orleans—Jensen Construction Co., 2915 Robert St., has contract at \$40,000 for dwelling, 5133 St. Charles Ave.; 2 stories and basement, 37.6x53 ft., oak floors, conc. foundation, slate roof; Edw. DeArmes, Archt.

La., New Orleans—Mrs. B. DeJohn erect \$15,000 raised residence, Claiborne Ave. near Joseph St.; 55.2x96.2 ft., tile roof; Laurence Newton, Archt., 533 Whitney Bldg.; Wm. Durning, Contr., Elmeir Place.

La., New Orleans—Chas. G. Makofsky, 142 S. Dupre St., erect hollow tile and stucco residence, Beverly Knoll; L. J. Woodworth, Contr., 343 Carondelet St.

La., New Orleans—E. Charbonnet, Contr., 1728 St. Philip St., erect single raised dwelling, Clermont Drive near Elder St.

La., New Orleans—P. J. Wettingrave erect \$12,000 residence, Vincennes Place near Fontainebleau Drive; tile roof; J. A. Dodick, Contr., 5620 Hurst St.

La., New Orleans — M. Raltman, Contr., 1524 Baronne St., erect 2-story duplex, Pritchard Place near Audubon St.

La., New Orleans—M. W. Druet, 8338 Oak St., erect double cottage, Dante St. near Oak St.; H. F. Hinrich & Son, Contrs., Q & C Bldg.

Md., Baltimore—Geo. W. Schoenhals, Bldr., Munsey Bldg., erect 18 porch-front dwellings, 2300 block Mosher St.; 2 stories, brick; \$85,000; also 19 on Homestead St.; \$100,000; owner builds.

Md., Baltimore—Chas. E. Litziger, 3678 Falls Rd., erect 6 brick dwellings, 852-82 W. 33d St.; 2 stories, 12x28 ft. and 19x30 ft., slag roofs, hot air heat; \$12,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Md., Baltimore—Arrow Real Estate Co., 16th St., erect 3 frame dwellings and garages, 206-10-14 Lake Ave.; 2 stories, 38x26 ft., 38x24 ft. and 26x26 ft., slate roofs, hot water heat; \$15,000; A. R. Dreyer, Archt.; owner builds. 5-3

Md., Baltimore—R. B. Construction Co., Inc., Granada Ave., erect 19 brick dwellings, 3000 block Spruce Rd.; 2 stories; \$55,000.

Md., Baltimore—Wm. F. Schmick, Severna Park, let contract for \$22,500 residence, 4601 Millbrook Rd., to L. L. Chambers, Inc., 36th St. and Roland Ave.; stone, 2½ stories, 69x62 ft., slate roof, hot water heat; Palmer & Lambdin, Archts., 513 N. Charles St. 5-10

Md., Baltimore—John J. Hurst, Pres., Cityco Realty Co., 7 St. Paul St., erect 5 frame dwellings, 3500 block Cotwood Place; \$12,500; owner builds.

Md., Baltimore—Harry F. Page, Bldr., 304 Ilchester St., erect \$14,500 dwelling, Midhurst St., Pinehurst.

Mo., Clayton, St. Louis—J. W. Goebel, 3527A Connecticut St., erect \$10,000 brick residence, Wydown Forest; 2 stories and basement, 27x30 ft., hardwood floors, tile bath, comp. roof, steam heat; owner builds.

Mo., Clayton, St. Louis—Edw. Lantz, 204 Wainwright Bldg., let contract to Emil H. Struckhoff, 7325 Wellington Ave., for \$15,000 brick residence, Price Rd., La Hacienda; 2 stories and basement, 55x28 ft., hardwood floors, slate roof, tile bath, hot water heat.

Mo., Clayton, St. Louis—Vick Realty and Construction Co., erect stucco dwelling, Edgewood Ave., Wydown Forest; 2 stories and basement, 30x65 ft., tile roof, Duraflex, and hardwood floors, tile bath, steam heat, incinerator, elect. refrigerator; Edw. E. Knott, Jr., Archt., both 216 Int. Life Bldg., St. Louis; owner builds.

Mo., Kirkwood, St. Louis—Artistic Homes Corp., 912 Cent. Natl. Bk. Bldg., St. Louis, erect \$11,000 brick residence, Osage Hills; 1½ stories, 34x31.6 ft., slate roof, hot water heat; owner builds.

Mo., St. Louis—Geo. A. Capps, 761 Heman Ave., erect \$12,000 brick residence, 556 Warren Ave.; 2 stories and basement, 43x38 ft., hardwood floors, tile bath, vapor heat; Edw. B. Kelley, Contr., 6625 Delmar Blvd.

Mo., St. Louis—J. Chapman Realty and Building Co., 5477 Delmar Blvd., erect 4 brick dwellings; 1 story and basement, 27x36 ft., hardwood floors, tile baths, asphalt shingle roofs, hot air heat; \$5500 each; O. J. Popp, Archt., Arcade Bldg.; owner builds.

Mo., St. Louis—F. G. Elliott, Creve Coeur, Mo., erect \$16,000 residence, Osage Hills; brick, 2 stories and basement, 45x46 ft., hardwood floors, slate roof, hot water heat; Howard & Finley, Archts., 1104 Int. Life Bldg.; owner builds.

Mo., St. Louis—Dr. C. W. Gaertner, 3840 Russell Blvd., let contract for \$25,000 residence, Federer Place near Livingston Drive, to C. A. Welsh Construction Co., DeMenil Bldg.; brick, 2 stories and basement, 32x49 ft., rubber tile and tile floors, slate roof, vapor heat; Otto J. Krieg, Archt., 821 Wainwright Bldg. 5-10

Mo., St. Louis—Owen P. Galbreath, care Edw. E. Knott, Jr., erect brick residence, Wydown Forest; 2 stories and basement, 33x51 ft., hardwood and comp. floors, tile roof, hot water heat; Vick Realty & Construction Co., Contr., both 216 Int. Life Bldg.

Mo., St. Louis—S. Miller, care Stock-Scott Realty Co., Contr., 3711 Shreve Ave., erect 2 brick dwellings, 5023-25 Durant St.; 1 story and basement, 24x44 ft., hardwood floors, comp. shingle roof, tile bath, hot air heat; \$10,000.

Mo., St. Louis—E. Schirmer, 2117 Obear St., erect brick residence, 1751 McLaran Ave.; 1 story and basement, 27x46 ft., asphalt shingle roof, stone foundation, hot water heat; Geo. B. Willmering, Archt., 4118A W. Florissant Ave.; W. Meyer & Son, Contrs., 2026 DeSoto St.

Mo., St. Louis—Dr. I. D. Kelley, 5174 Portland Place, let contract to Dickie Construction Co., Louderman Bldg., to remodel residence; \$20,000; Jamieson & Spearl, Archts., Arcade Bldg. 4-26

Mo., University City, St. Louis—Eva S. Dickerson, 5141 Palm St., erect \$10,000 residence, 7434 Stratford Ave.; brick, 1½ stories and basement, 47x32 ft., hardwood floors, tile bath, slate and asphalt roof, hot water heat; John J. Robson Archt., 6748 Vernon Aven.; Julius A. Kuhn, Contr., 4042 Flora Place.

Mo., University City, St. Louis—Guarford Realty and Investment Co. erect 3 brick dwellings, 7421-25-29 Teasdale Ave.; 2 stories, 29x28 ft., slate roof, hot water heat; \$22,500; Nolte & Nauman, Archts.; R. A. & G. B. Bullock, Contrs., all Fullerton Bldg.

Mo., University City, St. Louis—R. A. and W. J. Edwards, 9007 Forest Ave., erect 2 dwellings, 7524-30 Canton Ave.; brick, 1 story and basement, 26x30 ft., tile baths, hardwood floors, asphalt shingle roofs, hot air heat; \$10,000; owner builds.

Mo., University City, St. Louis—Harry Kearney, 7335 Wellington Ave., erect \$10,000 residence; 2 stories and basement, 37x27 ft., hardwood floors, tile bath, slate roof, hot water heat; Edw. Lantz, Archt., Wainwright Bldg.; Emil H. Struckhoff, Contr., 7325 Wellington Ave.

Mo., Webster Groves, St. Louis—Fred J. Horst, 847 Tuxedo Bldg., erect 3 brick duplexes, 100 block Selma Ave.; 2 stories, 29x32 ft. and 28x32 ft.; 2 baths; \$24,000; owner builds.

Mo., Webster Groves, St. Louis—H. Hoyer, 316 Newport Ave., erect 2 dwellings, 225-301 Arbor Lane; 1½ stories, 34x43 ft. and 24x36 ft., conc. block and stucco, brick; owner builds.

N. C., Tryon—C. B. Ducharme, Detroit, Mich., erect residence, Easterbrook Hill, Pacolet Valley; A. A. Herrick, Archt.-Contr., Supt.

N. C., Tryon—Douglas Elois, care First Bk. & Tr. Co., started work on stucco and hollow tile residence, Gillette Woods; J. T. Green Lumber Co., Contr.

N. C., Tryon—F. J. McDonald, Detroit, Mich., erect \$12,500 addition to residence, Grady Ave.; contract let.

Okla., Oklahoma City—John J. Harden, Inc., Petro. Bldg., erect 20 conc., tile, brick and stucco dwellings, connection with development 151-acre tract, 23rd St. and Eastern Ave.

Okla., Oklahoma City—Callaway, Nicholson & Foster, Med. Arts Bldg., started work on 18 dwellings, Gatewood Ave., E. 15th St., Hobart St. and Norman St.

S. C., Aiken—Col. Robt. R. McCormick, Batavia Rd., Chicago, Ill., let contract to C. Brandt Holley, 1810 Walton Way, Augusta, Ga., for \$60,000 residence; Willis Irvin, Archt., S. F. C. Bldg., Augusta. 4-5

S. C., Aiken—Winthrop Rutherford let contract for \$100,000 Colonial residence to H. B. Nelson Construction Co., Augusta, Ga.; fireproof, 3 stories and basement, brick, stone trim; Scroggs & Ewing, Archts., S. F. C. Bldg., Augusta; Peabody, Wilson & Brown, Asso. Archts., 140 E. 30th St., New York. 5-26

Tenn., Elizabethton—J. H. Dunn erect 5-room brick veneer bungalow, Lily addition; Watauga Construction & Supply Co., Contr.

Tenn., Elizabethton—R. D. Safriet, Harlan, Ky., erect 5-room brick veneer bungalow; Watauga Construction & Supply Co., Contr.

Tenn., Elizabethton—H. R. Howell Co. erect 5-room brick veneer bungalow, Biltmore; Watauga Construction & Supply Co., Contr.

Tenn., Memphis—Dr. J. W. Monks, 1142 Peabody St., let contract for \$40,000 residence to H. B. Moselage, 188 Dudley St.; brick veneer, 2 stories, oak and tile floors, conc. foundation, green glaze tile roof; furnishings, equipment, etc., \$5000; Regan & Weller, Archts., 226 Dermon Bldg. See Want Section—Bldg. Material and Equipment. 5-19

Tex., Dallas—Walter C. Sharp, member, Bryan & Sharp, Archts., Const. Indus. Bldg., erecting \$14,000 Norman-English type residence, Forest Hills; painted common brick, wood shingle roof.

Tex., Galveston—Alvin F. Scharff erecting \$10,000 residence, 39th St. near Avenue T; brick veneer.

Okla., Oklahoma City—Harry B. Houghton, Continental Bldg., started work on \$40,000 residence, 15th St. and Lincoln Blvd.; 2 stories, brick; Callaway, Nicholson & Foster, Contrs., Med. Arts Bldg.

Okla., Oklahoma City—Mrs. Julia Martin, 928 W. 13th St., started work on \$10,000 brick duplex, Culbertson Drive; Callaway, Nicholson & Foster, Contrs., Med. Arts Bldg.

Okla., Oklahoma City—L. A. Martin, 2710 N. Robinson St., erecting \$10,000 residence, Lincoln Terrace; Smiser Construction Co., Contr., 2300 N. Broadway.

Tenn., Knoxville—E. R. Lutz, 2881 Kingston Pike, erect \$30,000 English type residence; 12 rooms, brick veneer; Baumann & Baumann, Archts., 813½ Market St.; J. M. Dunn & Son, Contrs., 245 Broad St.

Tenn., Memphis—F. M. Avery, Fidelity Bk. Bldg., started work on 2-story Colonial residence, Cherokee Drive.

Tenn., Memphis—J. C. Sutton, 1649 Mississippi Ave., let contract for \$16,000 residence, Central Ave. and Willette St., to J. W. Abbott, Shelby County; brick veneer, 2 stories, 50x37 ft., oak and tile floors, composition shingle roof; furnishings, equipment, etc., \$3000; Regan & Weller, Archts., 226 Dermon Bldg.

Tex., New Braunfels—Curt Riedrich, Clarence Elbel and A. Hildebrand each erecting residence.

Tex., San Antonio—Chas. Bellinger, 518 S. New Braunfels St., remodel and enlarge residence; Beverly W. Spillman & Beverly W. Spillman, Jr., Archts.-Engrs., Alamo Bank Bldg.; Moeller & Weibacher, Contrs., 1211 Willow St.

Tex., San Antonio—E. M. Motzor, 205 Grammercy St., erect \$10,000 residence; stucco, 2 stories, 10 rooms; M. L. Cast, Contr., 122 White St.

Tex., San Antonio—Robt. S. Michael, 112 Soledad St., let contract at \$23,415 to Allen & Allen for hollow tile and brick veneer residence, Oakmont Ct.; 2 stories, 8 rooms; Robt. B. Kelly, Archt., Milam Bldg. 5-3

Tex., San Antonio—Mission Building Corp., L. E. Fite, Pres., 317 W. Travis St., erect number dwellings, South Side; several completed.

Tex., San Antonio—John P. Morris, Bldr., 809 Brady Bldg., purchased 30 lots, Woodlawn Park; erect 10 dwellings as first unit; cost \$12,000 to \$30,000 each, 1 and 2 stories, stucco, brick and rock; total cost \$400,000.

Tex., San Marcos—John Moore let contract to Lewis Dobie, 1705 Willow St., Austin, for \$17,000 brick and rein. conc. residence; 2 stories and basement, about 52x43 ft., cast stone, tile roof, conc., tile and wood floors; Roy L. Thomas, Archt., Littlefield Bldg., Austin. 4-12

Va., Petersburg—Muhleman & Kayhoe, 507 E. Franklin St., Richmond, erect 6 dwellings, Westover Park section of Walnut Hill; English type; owners build.

Va., South Boston—H. D. Elliott erect residence, Washington St.; brick; foundation completed; Eubank & Caldwell, Archts.-Contrs., Boxley Bldg., Roanoke.

### Government and State

Ala., Birmingham—Nisbet Hambaugh, First Natl. Bk. Bldg., let contract to Wilborn Construction Co., 2007 Avenue J, Ensley, for 1-story and balcony bldg., West End, to be leased to Government for post office; 40x40 ft., built-up roof, tile floor, stone trim, fireproof; Denham, Van Keuren & Denham, Archts., Comer Bldg. 12-29

Ga., Fort Benning—Connors Steel Co., Empire Bldg., Birmingham, Ala., reported, has contract for 350 tons rein. steel for Sections F and G of Cuartel Barracks, Fort Benning; Murch Bros. Construction Co., Contr., Rwy. Exch. Bldg., St. Louis, Mo. 3-10

Miss., Biloxi—United States Property and Disbursing Officer for Mississippi, Vicksburg, let contract at \$52,657 to Alonzo B. Hayden, Pass Christian, for 24 kitchens and mess halls combined, administration bldg. and storehouse, Camp Benjamin F. McLeilan; plans by M. L. Cully, Engr., First Natl. Bank Bldg., Jackson; W. W. Chalk, Engr., care Mr. Cully. 3-15

Va., Danville—Quartermaster Supply Officer, 20th and C Sts., N. W., Washington, D. C., let contract for \$10,000 lodge, U. S. National Cemetery, to King Lumber Co., Charlottesville, Va. 5-10

Va., Hopewell—Quartermaster Supply Officer, 20th and C Sts., N. W., let contract at \$9156 to C. E. Smith, 1731 Columbia Rd., N. W., both Washington, D. C., for lodge, City Point National Cemetery; outbuilding at \$1850 to H. M. Lucas, 115 Bruce St., Portsmouth, Va. 5-10

### Hospitals, Sanitariums, Etc.

Ga., Brunswick—City let contract at \$79,059 to Wm. P. Francis, 201 Luckie St., N. W., Atlanta, for addition to City Hospital; brick and conc., 3 stories and basement, 72x42 ft., maple, tile and linoleum floors, tile roof, 1 Otis elevator, fireproof stairs; Daniel & Beutell, Archts., Healey Bldg.; Markel Co., Engr., Wynne-Claughton Bldg., both Atlanta; address equipment proposals to Dr. C. B. Greer, Brunswick. 4-26



Md., Baltimore—Dietrich Bros., 220 Pleasant St., has contract for 250 tons struct. steel for \$500,000 Fredk. Bauernschmidt Memorial building, Union Memorial Hospital; Jos. Evans Sperry, Archt., Calvert Bldg.; Herman F. Doelman, Struct. Engr., 516 N. Charles St.; Chas. L. Reeder, Mech. Engr., 916 N. Charles St.; Benj. F. Bennett Building Co., Contr., 123 S. Howard St. 4-19

Md., Cumberland—Dietrich Bros., 220 Pleasant St., Baltimore, Md., has contract for 175 tons rein. steel for \$500,000 Memorial Hospital; Zantzinger, Borie & Medary, Archts., Otis Bldg., Philadelphia, Pa.; Dr. S. S. Goldwater, Conslt. Archt., Mt. Sinai Hospital, New York; Wm. H. Gravell, Struct. Engr., Lewis Bldg.; L. H. Francis, Mech. Engr., Otis Bldg., both Philadelphia; Geo. A. Fuller Co., Contr., Fuller Bldg., New York. 4-12

Miss., Canton—Kings Daughters Hospital of Madison County let contract at \$19,980 to Currie & Corley, Raleigh, for hospital; rein. conc., brick, stone trim, 2 stories, rein. comp. roof, wood, tile and rubber floors; Claude H. Lindsley, Archt., Lamar Life Bldg., Jackson. See Want Section—Building Material and Equipment. 5-3

Mo., Kansas City—St. Josephs Hospital, Linwood Blvd. and Prospect St., erect \$300,000 nurses' home and chapel, 31st and Prospect; brick, 6 stories; Wight & Wight, Archts., First Nat'l Bk Bldg., Kansas City; Humes-Deal Co., Contr., Arcade Bldg., St. Louis. 4-12

Mo., St. Louis—Missouri Rolling Mills Corp., 6800 Manchester St., reported, has contract for 100 tons rein. steel for \$15,000 pumping station addition, City Sanitarium; Albert Osburg, Archt., 3654 Meramec St.; L. R. Bowen, Engr., 5980 Page Blvd.; Dunham Construction Co., Contr., Chemical Bldg. 3-10

Tex., Dallas—Dr. E. O. Rushing, 1403 Med. Arts Bldg., started work on \$75,000 clinic and hospital, 3500 Gaston Ave., after plans by C. C. Bulger, Indust. Bldg.; conc. tile, 2 stories, 165x72 ft., rubber tile floors, hot air heat, cement foundation and roof; address proposals on furnishings, equipment, etc., \$25,000, to Dr. Rushing. See Want Section—Building Material and Equipment. 5-3

Tex., Rusk—State Bd. of Control, R. B. Walthall, Chmn., let contract at \$62,900 to R. F. Ball, Fort Worth, for ward bldg., State Hospital for Insane; fireproof, 2 stories, about 127x57 ft., with 42x67-ft. dining room extension, rein. conc., brick, stone trim, conc. and terrazzo floors; Page Bros., Archts., Austin Nat'l Bk. Bldg., Austin, and Brownsville. 5-3

### Hotels and Apartments

Ala., Birmingham—J. C. Meyers & Co., Inc., 1409 S. 14th St., have permit for \$18,500, 2-story, 38x83-ft. brick veneer apartment, W. Pike Ave. and Eufaula St.; owner builds; day labor.

Ark., Little Rock—Geo. W. Donaghey, 2109 Gaines St., started work on \$500,000, 12-story, 200-room hotel, Markham and Main Sts.; 150x70 ft., brick, stone and terra cotta trim, fireproof; Gordon Walker Construction Co., Contr., Capitol Hill Apts.; Geo. R. Mann, Wanger & King, Archts., 1316 Donaghey Bldg. 2-9

D. C., Washington—Southern Construction Co. has permit for \$40,000, 2-story, brick and tile apartment, 809 Kennedy St. N. W.

Fla., Jacksonville—Continental Investment Co., 804 Jefferson St., erect \$12,000, 2-story, brick and tile apartments, Madison and Davies Sts.; Allen L. Williams, Contr., 617 Clay St.

Fla., Jacksonville—H. A. Halsema, 301 Masonic Temple Bldg., has permit for \$20,000, 2-story, brick veneer apartment, Post St. between Willow Branch and Ruble Ave.; owner builds.

Fla., St. Petersburg—Fred L. Smith has permit for completion store rooms on first floor of 5-story hotel, Third St. and First Ave., south; \$15,000; work on structure has been delayed for more than year.

Ga., Atlanta—Wager & Co., Contrs., Norris Bldg., erect 3-story and basement, brick, 22-unit apartment on Peachtree road; stone trim, built-up roof; conc. tile and hardwood floors, steam heat; R. Kennon Perry, Archt., Wynn-Claughton Bldg.

Ga., Atlanta—T. H. Christian, 336 Angler Ave., N. E., erect \$25,000, 2-story, brick veneer apartment, 1043 Maryland Ave., S. W.; built-up roof, hardwood floors, steam heat; owner builds.

Ga., Atlanta—Mrs. Louise Hardin, 841 Glendale Ter., erect \$25,000, 2-story and basement, brick apartment, 451 Felton Drive, N. E.; built-up roof, wood floors, steam heat; owner builds.

La., Lake Charles—W. P. Weber, 623 Pujo St., and E. T. McClain erect 10-story, 73x127-ft., conc. and brick hotel and stores; stone trim, comp. roof, tile, wood and conc. floors; Joseph Finger, Archt., Democratic Bldg.; H. M. Sanford, Engr., Esperson Bldg., both Houston; McDaniel Brothers, Contrs., P. O. Box 826, Beaumont. See Want Section—Building Material and Equipment. 5-10

Miss., Jackson—John E. Stillman, Pres. of Southern Bond and Securities Co., awarded contract for \$100,000, 20-apartment, N. State and Belhaven Sts., to be known as Stillman Court.

Miss., Starkville—Mrs. J. D. Hartness let contract to Ramsey & Lanier for 20-room apartment. 5-10

Mo., Clayton, St. Louis—Louise Garavelli, De Balliviere and De Giverville Sts., has permit for \$60,000, 105x92-ft. brick store and apartment on Hanley Rd.; Rolla & Brugnone, Bldrs., 4659 Page St.

Mo., Kirkwood, St. Louis—Nathan Kaplan, 5785 McPherson St., start work soon on \$100,000, 2-story, 16-apartment.

Mo., Kirkwood, St. Louis—Earl Deane Realty & Mortgage Co., 205 N. Kirkwood Rd., erect \$18,000, 37x50-ft., 3-story brick apartment on Bodley Ave.; tile and comp. roof; Waggoner Store Co., Contr., Arcade Bldg.; Gerard Wolf, Archt.

Mo., St. Louis—Dubinsky Realty Co., Wainwright Bldg., erect two 2-story, 30x50-ft. brick tenements, 4440-41 Kennerly St.; \$12,000, comp. roofs; A. H. Stiel, Bldr.; H. W. Guth, Archt., both 813 Chestnut St.

Mo., St. Louis—P. M. McMillan erect \$250,000 McMillan Arms Apartments, 4140 Washington Blvd.; 4 stories, 42 apartments, garage in rear; McKelvey-Carter Construction Co., Contr., International Life Bldg.; F. P. Johnston, Archt.

Mo., St. Louis—Syndicate represented by Wm. R. Othwein, Boatmans Bk. Bldg., reported, leased 83x100-ft. site at 12th Blvd. and Locust St. for \$1,000,000, 16-story hotel; 325 rooms; Manske & Bartling, Archts., 40 N. Euclid Ave.

Mo., St. Louis—H. & M. J. Fox, 3848 Evans St., erect \$16,000, 2-story, 34x71-ft. brick tenement, 5200 Oleatha St.; tar and gravel roof, hot air heat; Kroeger & Mieger Real Estate Co., Bldr., 6312 Easton St.; B. Shapiro, Archt., 4202 Holly St.

Mo., St. Louis—S. Rabon erect two 2-story, 31x48-ft. brick tenements, 3225-31 Michigan St.; \$15,000; asphalt roofs, hot air heat; H. Hochman & Co., Contrs.; H. Hochman, Archt., all 1662 S. Jefferson St.

Mo., University City, St. Louis—Morris and Ida Vittert, 114 N. 7th St., erect \$28,000, 2-story, 50x67-ft., 4-family brick flat and garage, 7260 Pershing Blvd.; slate roof, vacuum steam heat; B. J. Charleville, Contr.; Russell A. Conzelman, Archt., both 312 Calumet Bldg.

N. C., Raleigh—T. L. Bland, Sir Walter Raleigh Hotel, and associates, erect 104-room addition; John Hudson, Jr., Contr.

Okla., Oklahoma City—W. D. Palmer, 1127 E. 18th St., Contr., started work on \$25,000, 8-apartment, 1913 N. Douglas Ave., for B. B. Day, S. W. Nat'l Bldg.

Tenn., Knoxville—Russell Hanlon, 704 19th St., of Dooley-Gillespie Co., erect \$40,000, 8-unit apartment on 19th St.; built-in beds, hardwood floors, electric refrigeration, steam heat; garage in basement; C. J. Murray, Contr., Deadrick Bldg.

Tenn., Memphis—Frank Koehler, 63 S. Third St., started work on \$20,000, 4-apartment, 705-07 S. Bellevue St.

Tenn., Memphis—Thomas & Kohen erecting \$125,000, 2-story, brick, 16-family apartment, N. McLean St.

Tenn., Memphis—N. A. Sundholm, Archt.-Contr., 2025 Young St., started work on \$125,000, 2-story, English type, brick and stucco, 16-apartment, Washington Ave. and Cooper St.

Tex., Childress—Following sub-contracts awarded on \$300,000, 5-story, fireproof, steel, conc. and brick hotel for Security Investment Co., R. W. Underhill Construction Co., Contr., Wichita, Kans.: Electric, Broome Electric Co., Amarillo; plumbing, J. C. Korloth Plumbing Co., Sherman; tile and marble, Southland Tile & Marble Co., 1706 Eighth Ave., Fort Worth; reinforcing, Sheffield Steel Co., Sheffield, Kansas City, Mo.; elevator, Otis Elevator Co., 182 Young St.; metal forms, Birger Manufacturing Co., both Dallas; Wyatt C. Hedrick, Inc., Archt., First Nat'l Bldg., Fort Worth.

Tex., Lufkin—Lufkin Hotel Co. let contract to Campbell & White, Cooper, for \$250,000 Hotel Angelina addition; 50 rooms, banquet hall, space for stores on first floor and extension to lobby. 12-20-27

Tex., Plainview—Wm. C. Witt and Associates, 3308 Oak St., Dallas, reported, let contract to Bellows-McLay Construction Co., Const. Indus. Bldg., Dallas, for \$500,000, 8-story, 97x47 ft. hotel, Austin and Sixth Sts.; conc. and brick; Wyatt C. Hedrick, Archt., First Nat'l Bank Bldg., Fort Worth. 4-26

Tex., Point Isabel—F. M. Bartholomew, Bldr., Indianapolis, Ind., reported, erect \$500,000, 5-story, 100x120 ft., 200-room, brick and rein. conc., fireproof hotel, Powers and Manitou Sts.; Dayton Structural Steel Co., Dayton, Ohio, struct. steel work.

Va., Richmond—Richmond Hotels, Inc., Thos. Gresham, Lee Paschall and others, start work about August on \$2,000,000 hotel, 5th and Franklin Sts.; 16 stories and basement, 155x165 ft., steel frame, limestone, brick, terra cotta, gypsum partitions, conc. floors, built-up roof, 5 elevators; Wise Granite & Construction Co., Contrs.; Marcellus E. Wright, Archt., all American Nat'l Bank Bldg. 12-15-27

### Miscellaneous

Ark., Jonesboro—Schade Bros. started work on building, S. Main St., to be occupied by City Meat Market and Grocery; J. F. Winchell, Contr.

La., New Orleans—Orleans Levee Bd., Jon. Haspel, Pres., let contract at \$67,307 to H. Pratt Farnsworth, 7111 St. Charles St., for 600 compartment bathroom along beach of Lake Pontchartrain Beach. 4-26

Mo., St. Louis—Little Helpers of the Holy Souls, 4012 Washington St., alter, 3-story, brick convent; \$28,500; Had-Mackay Construction Co., Bldr., Dolph Bldg.; Mauran, Russell & Crowell, Archts., Chemical Bldg.

Tex., Galveston—J. W. Zempter, Contr., 2204 B St., plans to start work soon on 9-story building.

### Railway Stations, Sheds, Etc.

Tex., Brownsville—Southern Pacific Lines, Texas & New Orleans R. Co., R. W. Barnes, Ch. Engr., Houston, awarded following sub-contracts for \$100,000, rein. conc., hollow tile and steel, Spanish type passenger station, 8th and Madison Sts., R. E. McKee, Gen. Contr., 1918 Texas St., El Paso; Heating, plumbing, electric, W. H. Putegnat Co.; roofing and sheet metal, Turner-Brownsville Roofing Co., P. O. Box 182, both Brownsville; hardware, Huey & Philip Hardware Co., Elm and Griffin Sts., Dallas; mis. and ornamental iron, Acme Wire & Iron Works, 1343 W. Laurel St.; millwork, Schulze Bros. Mfg. Co., 110 Idaho St.; painting, P. Hensel Co., 803 Builders Exchange Bldg., all San Antonio; reinforcing steel, Black Hardware Co., P. O. Box 697, Galveston; cast stone, Houston Art Stone Co., 6315 Harrisburg Blvd., Houston. 5-10

### Schools

Ala., Bay Minette—Baldwin County, S. M. Thorp, Supt. of Schools, let following contracts: 14-room and auditorium grammar school and 8-room high school addition, Bay Minette, \$85,000; also \$33,120 addition at Foley, Cumbe & Dean, Clayton, \$23,000; 6-room and auditorium additions to school at Summerdale and Stockton and remodeling Cross Roads School, \$2400, J. B. Stuart, Bay Minette; \$7500 auditorium to Point Clear School, Dyson & Lawrence, Fairhope; \$8315 vocational building at Robertsedale, Roy Sandbrook, Robertsedale.

Ark., Ashdown—School Bd. let contract to Hardy Bros., Texarkana, for \$55,000 high school.

Ark., Clinton—J. J. Valentine, Morrilton, has contract for \$15,000 state vocational high school for First Dist.; 7 rooms and auditorium, brick veneer, steam heat; Tom Harris, Huntsville, O. W. Bass, Fayetteville, members Bd. of Trustees.

Fla., Inverness—Citrus County Bd. of Public Instruction, Jesse Montague, Supt., let contract to Geo. MacKay for primary school. 5-10

Ga., Atlanta—Loftis Plumbing & Heating Co., Marietta St., awarded contract at \$84,000 for heating and plumbing in Brown, Bass and O'Keefe Junior High schools; G. Lloyd Preacher & Co., Inc., Archt.-Engr., Wynne-Claughton Bldg. 5-10

Ga., Tallapoosa—School Bd. let contract to John Sewell, Villa Rica, for one-story, 8-classroom, brick veneer addition to school; comp. roof, wood floors; Daniel & Beutell, Archts., Healey Bldg., Atlanta. 4-12

Ky., Bowling Green—Western State Teachers' College, Dr. H. H. Cherry, Pres., let contract at \$159,968 for girls' dormitory and \$57,157 for manual arts building; 3 stories, limestone; George Voigt, Jeffersonville, Ind., \$4575, heating for manual arts building;

Brinton B. Davis, Archt., Columbia Bldg., Louisville. 4-19

Ky., Herndon — Christian County Bd. of Education, Hopkinsville, let contract at \$12,706 to Hester Andrews for one-story, brick, steel and conc. school; W. Bryan Rouse, Archt., Weille Blvd., Paducah.

La., Monroe—Ouachita Parish School Bd. let contract at \$23,140 to Tudor & Ratcliff, Alexandria, for 6-room high school addition at Monroe and at \$21,500 for 4-classroom school at Sterlington; J. M. Salley, Seventh St., West Monroe, at \$42,320 for 2 schools in West Monroe; J. W. Smith and Associates, Archts., Ouachita Bank Bldg. 4-19

Md., Baltimore—St. Mary's Seminary, Rev. P. J. Blanc, S. S., Paca St. and Druid Ave., started work on \$1,000,000, 4-story and basement, 100x600-ft., brick, steel and conc. educational building, Roland and Belvedere Aves.; slate roof, terrazzo and cork tile floors; The M. A. Long Co., Contr., 10 W. Chase St.; Maginnis & Walsh, Archts., Statler Bldg., Boston; Geo. A. Weschler, Engr., Denrike Bldg., Washington, D. C. See Want Section—Bldg. Material and Equipment. 5-10

Miss., Louisville—School Bd., Luther Neal, let contract at \$80,250 to Walker Bros. & Co., Jackson Bldg., Birmingham, Ala., for 2-story, brick, stone trim school; P. J. Krouse, Archt., M. & W. Bldg., Meridian. 4-19

Miss., Moselle—Jones County Bd. of Education, J. M. Bryant, Supt., Laurel, let contract at \$26,900 to McLaughlin & Glenn, Hattiesburg, for one-story, 131x147-ft., rein. conc. and brick school; built-up roof, struc. steel, sheet metal and iron work; E. C. Heaton & Sons, Archts., 12½ W. Pine St., Hattiesburg. 4-26

Mo., Marshall—Bd. of Education let contract at \$38,500 to John Epple Construction Co., Fayette, for grade school. 4-12

N. C., Greensboro—Greensboro District School Bd., E. D. Broadhurst, Chmn., let contract to Angle-Blackford Co. for \$1,500,000 building program, including construction 7 schools; plans by Associated Architects, C. C. Hartman, Pres., Jefferson Bldg. 3-29

Okla., Oklahoma City — J. J. Culbertson, Jr., has permit for \$10,000, 2-story, 25x100 ft., brick and conc., store and office, 135 W. Second St.; L. R. Powers, Contr., 1401 E. 13th St.

Okla., Stillwater — Chi Omega Sorority, Oklahoma Agricultural and Mechanical College, started excavation on \$35,000, 3-story, English type building, Monroe St. and Fourth Ave.

Tex., Brownsville — Proctor & Dudley, Archts.-Contrs., 528 Washington St., erecting store for Authur Seybolt, New York City; \$14,000, one-story, 50x100 ft., brick, built-up roof, wood and tile floors; Ben V. Proctor, Engr., 528 Washington St. 5-3

Tex., Leander—Bd. of Education, F. I. Pool, Pres., Georgetown, let contract at \$13,182 to Drew-Brooks Construction Co., Lometa, for 4-room brick addition and remodeling school; Page Bros., Archts., 348 Austin Nat'l Bank Bldg., Austin. 4-26

### Stores

Ala., Birmingham—Hawkins, Cheek & Cheek, Inc., erect \$10,000, 2-story and basement, 50x50 ft., brick store, Third Ave. and 18th St.; Alvin J. Felix, Contr., 116½ N. 21st St.

Fla., Milton—D. Faircloth started work on one-story, 80x90-ft. brick store, Elmira and Walnut Sts.; C. E. Emmett, Contr., Jacksonville.

Ga., Jackson—Jackson National Bank let contract for 12x30 ft., brick building to be occupied by Western Union Telegraph Co., 195 Broadway, New York.

Ky., Horse Cave—Chas. Branstetter started work on \$25,000, brick store on Main St.

La., Shreveport—Geo. B. Oliver started work on foundation for \$25,000, 41x100-ft., one-story and basement, rein. conc. and brick store, 1100 block Travis St.; comp. roof, concrete floors, hand-power elevator; T. H. Johnson, Contr.; Clifford H. Johnson, Archt., both 107½ S. Ohio St., Sedalia, Mo. 5-10

Md., Baltimore—McCrorry Stores Corp., 1107 Broadway, New York, let contract to The Minton-Scobell Co., 697 The Arcade, Cleveland O., for remodeling buildings, 117-21 N. Howard St., \$100,000; Electric, Wiltse & Griffen, Inc., 339 Adams St., Brooklyn, N. Y.; plumbing, Chas. T. King Co., 523 N. Charles St.; elevator, Otis Elevator Co., 107 Light St., struc. steel, Dietrich Bros., 220 Pleasant St., all Baltimore. See Want Section—Building Material and Equipment.

Mo., St. Louis—S. D. Rossi, Inc., 6215 Delmar St., erect \$20,000, one-story, 106x94 ft.,

brick store, 6201-11 Delmar Ave.; tar and gravel roof, steam heat; J. H. Schroeder, Bldr., 7603 Michigan St.; G. P. Wuest, Archt., 922 Wainwright Bldg.

Mo., St. Louis—C. J. Toelle, 3600 N. Broadway, erect \$14,500, 2-story, 48x52 ft., brick store and tenement, 4981-8 Thrush St.; tar and gravel roof, hot air heat; J. Scatizzi, Archt.-Bldr., 1010 Chestnut St.

Mo., St. Louis—E. A. Doerr, 3680 Dover Pl., erect \$20,000, one-story, 97x189-ft. brick store and recreation center, 4919-27 Arsenal St.; comp. roof, vapor heat; J. C. Geelschap, Archt., 6470 San Bonita St.; owner builds.

Mo., St. Louis—Laclede Steel Co., Arcade Bldg., has contract for 350 tons struc. steel for two stores for Sears, Roebuck & Co., Chicago; Westlake Construction Co., Contr., Railway Exchange Bldg. 4-26

Mo., University City, St. Louis—Peter Conreux, 5110 Wabada St., erect \$17,000, 44x70-ft. brick store and apartment, 7211-13 Delmar Blvd.; comp. roof, steam heat; Gerhard Becker, Archt., Ferguson; owner builds.

N. C., Asheville — John M. Geary, Gen. Contr., 504 Biltmore Ave., reported, receives sub-bids May 21 on material for \$250,000 completion work on Grove Arcade Building; Chas. N. Parker, Archt., 19 Electrical Bldg.; Fred A. Bishop, Asso. Archt., Electric Bldg., Richmond, Va. 8-11-27

Okla., Altus—J. R. McMahon let contract at \$80,000 to Grimsaw Construction Co., 13th and Elgin Sts., Tulsa, for \$50,000, 2-story, 75x140-ft. brick and rein. conc. store and office; F. W. Redlick, Archt., Tulsa. 5-3

Tenn., Kingsport—John B. Nall erect \$30,000, 136x25 ft., 2 stories, brick store and office, Market and Broad Sts.; Armstrong, Pudkey & McCoy, Contrs.

Tex., Los Fresnos—Aldridge-Hellscher Implement Co., Brownsville, let contract to W. A. Velton for one-story, 50x120 ft., hollow tile and stucco show room; E. G. Holliday, Archt., Brownsville. 4-26

Tex., San Angelo—Carter & Hall Construction Co. erect 2 or 3 business buildings on E. College St.

Tex., San Marcos—Jacob Schmidt started work on 50-ft. addition and remodeling bldg. for department store; \$12,000; A. C. Moeller, Contr., New Braunfels.

Tex., Temple—Peter Hammersmith let contract to J. H. Davis for remodeling building damaged by fire; \$10,000 to \$15,000.

W. Va., Clarksburg—Mrs. Grace Linger, 514 W. Pike St., erect \$15,000, 3-story, 35x76-ft. brick store and apartment, 543 W. Pike St.; first floor leased to Great Atlantic and Pacific Tea Co., 420 Lexington Ave., New York; Riley & Riley, Contrs., Shinnston.

### Theaters

Ala., Montgomery—Jeffers Brothers Construction Co., 207½ Dexter Ave., reported, has contract to erect \$200,000 theater, 26 N. Lawrence St.; 100x200 ft., seat 1200 people, 4 stores; Okel & Cooper, Archts., Bell Bldg.

Ky., Louisville—Parkway Amusement Co. erect \$50,000 brick and stone theater, 2129 S. Preston St.; Charles Zantz, Contr., 501 E. Camp St.; Carl J. Epping, Archt., 625 S. 3rd St. 2-23

Tenn., Memphis — Following sub-contracts awarded on \$1,000,000, 228x114 ft., fireproof theater and office building under construction for Memphis Theater and Realty Co., 1406-9 Fidelity Bank Bldg., Kaiser-Ducett Co., Gen. Contr., 416 Rialto Square Bldg., Joliet, Ill.; Steam heat, Fischer Heating Co., 367 Adams Ave.; plumbing, Pritchard Bros., 433 Madison Ave.; struct. steel and iron, Pidgeon Thomas Iron Co., U. & P. Bldg.; ventilating and sheet metal, J. Derron, 122 Poplar Ave., all Memphis; electric, Wm. A. Corrao Electric Co., 317 N. 11th St., St. Louis; 2 elevators, Elevator Company of America, St.-Lake Bldg.; refrigeration, Brunswick-Kroeschell Co., 4221 Diversey Ave.; C. W. & Geo. L. Rapp, Archts.; Lieberman & Hein, Engrs., both 190 N. State St., all Chicago. See Want Section—Building Material and Equipment. 2-9

Tex., Plainview—Amarillo Furniture Co., 409 Taylor St., let contract to M. C. Hancock, 1018 W. Sixth St., both Amarillo, for \$20,000, 50x100-ft., brick and tile, fireproof, Spanish type store, 1107-09 Austin St.

### Warehouses

Ga., Tifton—Tifton Investment Co., erect \$27,000, 150x300 ft., tobacco warehouse; brick, 45,000 sq. ft.; W. H. Spencer, Contr.

Ga., Atlanta — G. H. Butler, 712 Glenn Bldg., erect \$15,000, one-story, 50x150 ft., brick warehouse, 1390 Blashfield Ave., S. E.; tar and gravel roof; day labor.

Miss., Greenville—International Harvester Co. of America, 501 N. Alexander St., New Orleans, erect 65x150 ft., brick and steel warehouse and office building on Washington Ave., for Home Hardware Co.; B. F. P. Moore, Contr.

Mo., St. Louis—Independent Plumbing and Heating Supply Co. started excavation on \$250,000, 2-story, 281x250 ft., fireproof warehouse and West End distributing center, Market St. and Vandeventer Ave.; McCormack-Combs Construction Co., Contr., Columbia Bldg.; David R. Harrison, Archt., Arcade Bldg.

Mo., St. Louis—I. R. Goldberg P. & S. Co., 1119 Chestnut St., has permit for \$60,000, one and two-story, 281x111 ft. by 250x249 ft., brick, warehouse and store, 3824-48 Market St.; conc. roof; D. R. Harrison, Archt.-Bldr., Ambassador Bldg.

N. C., Durham—B. B. Bowles Co. and associates, Geer Bldg., reported, started work on \$60,000, 135x360-ft. brick and steel warehouse, Foster and Corporation Sts.; 44,000 sq. ft. floor space.

N. C., Lumberton—T. M. Burney Construction Co. has contract to erect 216x216 ft. tobacco warehouse to be managed by E. J. Davis, Martinsville, Va., and F. P. Davis, 722 W. E. Blvd., Winston-Salem.

S. C., Sumter—Peoples' Tobacco Warehouse Co., reported, let contract to W. B. Boyle Co. for \$10,000 warehouse to replace burned structure. 3-8

Tenn., Knoxville—Mott-Southern Co., St. Peters St. Viaduct, Atlanta, Ga., leased building at 129-31 W. Jackson St.; expend \$10,000 for new floors, electric elevator, sprinkler system; H. A. Gervin, Contr., 3028 Glenfield Dr.; I. A. Watson, owner, 11 Market Square.

### Trade Literature

**Filing and Indexing.**—The Globe-Wernicke Company, Cincinnati, Ohio, has published a 24-page booklet on a system for the filing and indexing of maps, plans, drawings and similar large sheets. A number of installations and various types of filing units are shown in the booklet.

**Flexible Shafts and Equipments.**—In their catalog No. 24, N. A. Strand & Co., Chicago, manufacturers of flexible shafts and equipments, give much valuable and interesting information on Strand products. The catalog is well illustrated. Vulcanized rubber casings and metal casings are shown and specifications presented for various machines.

**Material-Handling Equipment.**—In a compact and comprehensive booklet the Yale & Towne Manufacturing Company, Stamford, Conn., gives clear descriptions of such products as Yale hoists, ball-bearing spur-gear blocks, screw-gear blocks, steel plate roller-bearing trolleys and wire and chain hoists and so on. Each description is illustrated and carries dimension figures.

**Convertible Excavator.**—The Bay - City Tractor Shovel, designated as "the fast one-man convertible excavator," is described in bulletin T-4 of the Bay City Dredge Works, Bay City, Mich. In word and picture, the tractor shovel is shown at work in various places, in trench and ditch tasks, in use as a crane, excavating with clamshell buckets, truck mounted and with crawlers. The bulletin is obtainable on request.

**De Laval Pumps.**—Interesting descriptions and illustrations of the installation of De Laval pumps at Palm Beach and West Palm Beach, Fla., are given in a brochure issued by the De Laval Steam Turbine Company, Trenton, N. J. A copyright article, "Waterworks Development in Palm Beach and West Palm Beach," by Malcolm Pirnie of Hazen & Whipple, civil engineers, New York, tells the story in comprehensive fashion.



# WANT SECTION

## THE CLASSIFICATIONS IN THIS SECTION ARE:

| Machinery and Supplies  | Building Materials and Equipment   | Bids Asked  |
|---|--|---|
| Under this heading are reported requests for data, prices and literature and information on machinery, supplies and miscellaneous materials of a wide variety.                                      | This division comprises all classes and kinds of materials and equipment used in building and construction projects of every kind. | Includes bids asked by U. S. Government, States, districts, municipalities, firms and individuals for machinery, materials, supplies and construction work. |
| <i>Items in this department are published without charge and these columns are open for the publication of wants of all kinds relating to construction work, machinery, materials and supplies.</i> |  |   |

### Machinery and Supplies

**Bakelite.**—Robert Webb, P. O. Box 674, 206-S Mason Bldg., El Dorado, Ark.—Wants to correspond with manufacturers of bakelite.

**Blue Print Machine.**—C. W. Gibbs Pipe Co., 110 Orange Ave., Fort Pierce, Fla.—Wants second-hand Wicks, 44-in. blue print machine.

**Boiler.**—R. P. Johnson (Mchy. Dealers), Wytheville, Va.—Wants one 80-hp. locomotive type boiler on wheels on sills. State pressure will carry, price and condition.

**Floor Sweeping Machine.**—S. D. Toler Implement Co., Box 131, Pawnee, Okla.—Wants electric floor sweeping machine, such used by janitors of large buildings.

**Galvanized Steel or Iron.**—Wm. J. Stolz, Highbridge Station, New York, N. Y.—Wants 2000 lbs. hot galvanized strap steel or iron, 1/4 in. by 3/4 in.; price for resale f. o. b. New Orleans, La.

**I-Beams.**—B. H. Waugh, Pastor of New Hampstead Square Baptist church, 160 Wentworth St., Charleston, S. C.—Wants prices on 2 (two) "I" beams, 41 ft. 4 in. long, 21 in. high, to weigh 70 lbs. per ft., f. o. b. Charleston, S. C.

**Locomotive.**—Morrison, Gross & Co., C. A. Gross, Sec. (Mfrs. West Virginia Hardwoods), Elkins, W. Va.—Wants narrow-gauge locomotive, about 24 tons.

**Locomotive.**—Hackley Morrison Co., Inc. (Mchy. Dealers), 1708-22 Lewis St., Richmond, Va.—Wants one 40 in. gauge 18-ton saddle tank locomotive.

**Prune Dryer.**—Alex M. Robinson (Mchy. Dealer), Georgetown, Ky.—Wants prices on first-class used prune dryer, for shipment to Pacific Coast; give full specifications, condition and best price for resale.

**Punch Press.**—Haugh-Boy Metal Products, Inc., 129 E. 21st St., Jacksonville, Fla.—Wants small punch press, for perforating ends of 30 and 36-in. strips of metal, 22 gauge in thickness, and 4 in. across in width.

**Road Rollers.**—Johnson & Hoehler (Dealers), Fernwood, Pa.—Wants 5 and 7 ton tandem road rollers; 1 pair of 20 in. by 70 in. rear wheels for 10-ton Buffalo Springfield roller.

**Slip-Ring Motor.**—Screven Oil Mill, W. E. Hudmon, Pres., Sylvania, Ga.—Wants one 75-hp. slip-ring motor, 3 phase, 60 cycle, 550 volts, complete with drum starting control.

**Steel Sheets.**—Haugh-Boy Metal Products, Inc., 129 E. 21st St., Jacksonville, Fla.—Wants 22-gauge steel in quantities of 5 tons and upward, should be cold rolled and treated for taking Duco.

**Steel Tubing.**—Chase Products Corp., Second St. and Maple Ave., Mountain Grove, Mo.—Wants 1/4-in. O. D., 24 gauge steel tubing, both seam and seamless in 100-lb. lots.

**Smoking Pipe Machines.**—Robert Webb, P. O. Box 674, 206-S Mason Bldg., El Dorado, Ark.—Wants to correspond with firms who manufacture automatic machines for making smoking pipes.

**Tanks.**—H. 1521 Peachtree St., N. E., Atlanta, Ga.—Wants tanks of various sizes, suitable for storing gasoline.

**Tractor.**—R. P. Johnson (Mchy. Dealer), Wytheville, Va.—Wants one 5 to 8 ton crawler tractor; good used machine.

**Valves.**—C. W. Gibbs Pipe Co., 110 Orange Ave., Fort Pierce, Fla.—Wants cheap irrigation valves to be used with sewer pipe or concrete tile.

**Window Shade Machinery.**—Felix Shop, J. T. Stephens, 728 N. 17th St., Birmingham, Ala.—Wants machinery for making window shades.

**C. L. Schleihauf,** 617 Cotton Ave., Birmingham, Ala.—Wants following:

- (1) Deep Well Pump Head—for 300-ft. well
- (2) Galvanized Pipe—300 ft. of 3 1/2 in., and quantity of second-hand galv. 2 in. pipe with sleeves and union
- (3) Motor—5 h. p., single phase
- (4) Pump Rods.

**Reo Tire Co., Inc.**, 825 Texas St., Adolphus Rioux, Pres. (will change name to Adolphus, Inc.), Shreveport, La.—Wants following:

- (1) Brake Testing Machine
- (2) Car Washing Machine
- (3) Gasoline Pumps
- (4) Hoist—for lifting cars
- (5) Tire Press—for solid tires
- (6) Vulcanizing Equipment.

**W. M. Smith & Co.** (Mchy. Dealers), Birmingham, Ala.—Wants following:

- (1) Air Dump Cars—20 or 30 yd. air dump cars
- (2) Flat Cars—six 100,000 capacity steel underframe flat cars
- (3) Lathe—one 16 to 20 ft. bed, 16 to 20 in. swing
- (4) Locomotive—Mikado type, 100 or 120 tons, with tractive effort of not less than 45,000 lbs. or 47,000 lbs.
- (5) Shaper—18 in. or larger.

**Quality Products, Inc.**, care of Pocahontas Coal Co., Salisbury, Md.—Wants No. 2 Universal filler and skimming table, merry-go-round type.

### Miscellaneous

**Incinerator.**—J. L. Shafer, P. O. Box 65, Joplin, Mo.—Wants prices on incinerator for 6 or 7 room dwelling.

**Janitors' Supplies, etc.**—Williams Miami Chemical Club, 337 N. E. Second Ave., Miami, Fla.—Wants to correspond with producers of good scouring powder, detergent, soap powder, also sweeping compound and janitors' supplies for resale.

**Vacuum Cleaner.**—S. D. Toler Implement Co., Box 131, Pawnee, Okla.—Wants dust collecting machine to be used to clean dust from furniture and fixtures in office buildings.

**Fixit Shop,** J. T. Stephens, 728 N. 17th St., Birmingham, Ala.—Wants following for manufacturing window shades:

- (1) Brackets
- (2) Cloth
- (3) Rollers.

**Jamill Bros. & Co.** (Import and Export Merchants, and Comm. Agts.), Sadar Bazar, Delhi, India—Wants prices on following:

- (1) Artificial Silk Yarn
- (2) Earthen Ware
- (3) Embroideries
- (4) Hosiery
- (5) Patent Medicines and Toilet Goods.

### Building Material and Equipment

**W. T. Gregory,** Law Bldg., Norfolk, Va., wants sub-bids on tile work for building, Fayetteville, N. C.

**W. P. Shappell, Archt.,** 1350 Collins Ave., Miami Beach, Fla., wants prices on following for \$100,000 residence:

- Cast Stone
- Electric Refrigerators
- Flooring—linoleum, tile, composition
- Incinerator
- Marble
- Metal Ceilings
- Metal Doors
- Roofing—built-up, tile
- Sprinklers
- Tile—hollow, interior
- Ventilators
- Brass and Bronze Work.

Also wants sub-bids on:  
**Specially Designed Studio Window for Living Room** (about 20x8.3 ft., 2 stories).

**J. A. Moore, Contr.,** 810 Washington St., Brownsville, Tenn., wants prices on following for \$40,000 courthouse remodeling:

- Flooring—linoleum.
- The M. A. Long Co., 10 W. Chase St., Baltimore, Md., wants prices on following for \$1,000,000 educational building for St. Mary's Seminary:
- Floors—terrazzo, tile
- Limestone
- Marble
- Roofing—slate
- Tile—gypsum, hollow, interior.

**C. H. Lindsley, Archt.,** Lamar Life Bldg., Jackson, Miss., wants prices on following for \$20,000 hospital:

- Cast Stone.
- Regan & Weller, Archts., 226 Dermon Bldg., Memphis, Tenn., want prices on following for \$40,000 dwelling:
- Electric Refrigerators
- Flooring—hardwood, tile
- Incinerator
- Limestone
- Roofing—tile.

**Harrison Smith Co.,** 711 N. Broadway, Oklahoma City, Okla., wants prices on following for \$80,000 factory:

- Cast Stone
- Elevators
- Flooring—linoleum, tile
- Metal Doors
- Roofing—built-up
- Sprinklers
- Steel Sash and Trim
- Tile—hollow
- Vaults
- Wire Glass.

**H. H. Mahler Co., Archt.,** Tulsa, Okla., wants prices on following for \$160,000 theater and office building, Blackwell, Okla.:

- Cast Stone
- Flooring—terrazzo
- Mail Chutes
- Marble
- Metal Doors
- Roofing—built-up
- Steel Sash and Trim
- Tile—gypsum, hollow
- Terra Cotta Trim
- Ventilators
- Wire Glass.

**T. H. Johnson, Contr.,** Sedalia, Mo., wants prices on following for \$25,000 store, Shreveport, La.:

- Elevators
- Steel Sash and Trim.

**Regan & Weller, Archts.,** 226 Dermon Bldg., Memphis, Tenn., want prices on following for \$16,000 dwelling:

- Electric Refrigerators
- Flooring—hardwood, tile
- Limestone
- Roofing—asphalt shingle.

**Jacob E. Salie, Archt.,** 2100 Fifth Ave., North, Birmingham, Ala., wants prices on following for \$45,000 dwelling:

- Electric Refrigerators
- Flooring—hardwood, tile
- Limestone Trim
- Roofing—slate.

**Henry Vogel,** 1518 W. Okmulgee St., Muskogee, Okla., wants prices on 1 vault door for hospital alterations.

**Kaiser-Ducett Co.,** 416 Rialto Square Bldg., Joliet, Ill., wants prices on following for \$1,000,000 theater for Memphis Theater & Realty Co., Memphis, Tenn.:

- Tile—hollow.
- J. E. Fox, Bldr., 1615 Buchanan St. N. W., Washington, D. C., wants prices on following for 2 dwellings:
- Roofing—slate
- Tile—flooring.

**C. E. Waldrop Construction Co., Contr.,** Room 3, Walker Bldg., Atlanta, Ala., wants prices on following for \$15,000 apartment:

- Floors—hardwood, tile
- Metal ceilings.
- Maddox & Tisinger, Bldrs., 730 Candler Bldg., Atlanta, Ga., want prices on following for 15 dwellings, cost about \$7500 each:
- Cast Stone
- Flooring—hardwood, terrazzo, tile, comp.
- Limestone
- Plaster Board
- Roofing—asbestos shingle, asphalt shingle
- slate, tile
- Steel Sash and Trim
- Terra Cotta Trim
- Brass and Bronze Work.

**C. W. Gaskins,** 5913 Georgia Ave., N. W., Washington, D. C., wants prices on following for 2 dwellings:

- Cast Stone.
- Also wants sub-bids on:
- Painting
- Roofing
- Tile Work.

McDaniel Brothers, Contrs., P. O. Box 826, Beaumont, Tex., wants prices on following for 10-story hotel at Lake Charles, La., for W. P. Weber and H. T. McClain:

Cast Stone  
Electric Refrigerators  
Elevators  
Floors—hardwood, tile  
Mail Chutes  
Marble  
Metal Doors  
Roofing—built-up  
Steel Sash and Trim  
Tile—hollow  
Brass and Bronze Work.  
Also wants bids on sub-contracts.

H. P. Taylor, Archt., Union City, Tenn., wants prices on following for \$30,000 courthouse remodeling:

Cast Stone  
Dumb Waiters  
Electric Refrigerators  
Flooring—terrazzo, composition  
Marble  
Roofing—asbestos shingle, built-up  
Steel Sash and Trim  
Terra Cotta Trim  
Vaults.

J. Freeman Williams, Woodstock Mfg. Co., Charleston, S. C., wants prices on apartment house materials.

Dr. E. O. Rushing, 1403 Med. Arts Bldg., Dallas, Tex., wants prices on following for \$75,000 clinic and hospital:

Dumb Waiters  
Electric Refrigerators  
Elevators  
Flooring—tile  
Incinerator  
Roofing—tile  
Steel Sash and Trim.

E. S. Clayton, Lewisburg, Tenn., wants prices on following for \$115,000 courthouse:

Bronze Doors  
Cast Stone  
Flooring—terrazzo, tile, Battleship linoleum  
Metal Ceilings  
Roofing—built-up  
Steel Sash and Trim  
Ventilators  
Wire Glass.

### Bids Asked

**Belting.**—Chemical Warfare Service, Edgewood Arsenal, Md.—Bids May 22 for leather belting.

**Bridges.**—State of Texas—Bids for 3 bridges and culverts. See Construction News—Roads, Streets, Paving.

**Bridges.**—State of Texas—Bids for 2 bridges. See Construction News—Bridges, Culverts, Viaducts.

**Bridge.**—Baton Rouge, La. See Construction News—Bridges, Culverts, Viaducts.

**Bridges, etc.**—State of South Carolina—Bids for 7 bridges and culverts. See Construction News—Roads, Streets, Paving.

**Drainage.**—Dry Creek Drainage Dist. Commrs., Fred B. Smith, Atty., Ripley, Miss.—Bids June 8 for 40,000 cu. yds. open ditch dragline work in Dry Creek Drainage Dist.; F. A. Livingston, Engr., 201 Masonic Bldg., Louisville, Miss.

**Electric Supplies.**—Chemical Warfare Service, Edgewood Arsenal, Md.—Bids May 22 for 30,000 ft. rubber-covered wire, fuses, switches, covers, compensators or potential starters, tape, etc.

**Hardware, etc.**—Chemical Warfare Service, Edgewood Arsenal, Md.—Bids May 22 for sandpaper, emery cloth, padlocks, butts, tacks, clamps, screws, bolts, nuts, gage glasses oil cups etc.

**Heating Boiler.**—Treasury Dept., Jas. A. Wetmore, Acting Supervising Archt., Washington, D. C.—Bids June 5 for furnishing labor and material for new heating boiler, etc., in U. S. Post Office and Court House, Jackson, Tenn.

**Heating System.**—Office of Quartermaster, St. Louis, Mo.—Bids May 28 for installing hot water heating system in superintendent's lodge, Fort McPherson National Cemetery.

**Heating System.**—Bd. of Awards, Baltimore, Md.—Bids May 23 for remodeling present heating system in courthouse.

**Hydro-Electric Plant.**—Crisp Power Comsn., J. J. Williams, Chmn., Cordele, Ga.—Bids July 10 for construction work on Flint River power dam; specifications by Emmetts-Killebrew, Ch. Engr., Albany, and J. E. Sirrine & Co., Consit. Engrs., Greenville, S. C.; bids will cover, briefly, 14,000 cu. yds. limestone excavation, 50,000 cu. yds. earth excavation, 230,000 cu. yds. earth fill dam, 25,000 cu. yds. Class A rein. conc., 500 tons struct. steel, 1000 tons rein. steel, one brick building, 40x150 ft.; two 3600-hp. vertical water wheels and generators installed complete; plant will be erected on site near Warwick in Worth and Lee counties; bids cover only

half capacity power units, four being planned ultimately; bonds issued for plant and transmission lines, \$1,250,000.

**Inner Tubes.**—Pur. Agt., P. O. Dept., Washington, D. C.—Bids May 28 for 7908 inner tubes.

**Lights.**—Division of Supplies, Dept. of Commerce, Washington, D. C.—Bids May 21 for 400 lights, course, standard 14 in.

**Lighting Fixtures.**—Treasury Dept., Jas. A. Wetmore, Supvg. Archt., Washington, D. C.—Bids June 11 for exterior lighting fixtures for Federal buildings.

**Lighting Plants.**—Mississippi River Comm., First and Second Dist., Memphis, Tenn.—Bids May 18 for three 1250-watt, 32-volt, D. C. gasoline engine-driven lighting units.

**Miscellaneous Supplies.**—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids May 28 for following: Sch. 1876:

Power machines, metal furniture, electric welding machine, concrete mixers, telephone switchboard keys, fire extinguishers, scouring compound, brushes, paper towels, oil stones, etc.

**Miscellaneous Supplies.**—A. L. Flint, Gen. Pur. Officer, Panama Canal, Washington, D. C.—Bids May 18 for following: Sch. 1875:

Motor.—U. S. Engr. Office, Fourth Mississippi River Dist., New Orleans, La.—Bids May 19 for electric motor complete with drum type controller.

**Paving.**—Lake Charles, La. See Construction News—Roads, Streets, Paving.

**Paints, etc.**—Chemical Warfare Service, Edgewood Arsenal, Md.—Bids May 22 for linseed oil, varnish, shellac, enamel, paints, white lead, colors in oil, brushes, etc.

**Paving, etc.**—Ashburn, Ga. See Construction News—Roads, Streets, Paving.

**Pig Lead.**—Board of Awards, Baltimore, Md.—Bids May 23 for furnishing and delivering pig lead to Bureau of Water Supply.

**Pipe (Vitrified Concrete).**—See Sewers.

**Pipe (Concrete).**—See Sewers.

**Pipe (Cast Iron).**—See Water Works Equipment.

**Pipe (Reinforced Concrete).**—See Sewers.

**Pipe (Cast Iron).**—See Water Works.

**Plumbing Supplies.**—Mississippi River Comm., First and Second Dist., Memphis, Tenn.—Bids May 15 for valves, flanges, tees, pipe, bolts, gaskets, etc.

**Plumbing Supplies.**—Chemical Warfare Service, Edgewood Arsenal, Md.—Bids May 22 for pipe, nipples, traps, rubber balls, copper floats, valves, plugs, tees, unions, etc.

**Projection Apparatus, etc.**—Dist. Commrs., Washington, D. C.—Bids May 22 for projection apparatus and accessories.

**Pumps.**—See Water Works Equipment.

**Pump (Centrifugal).**—See Water Works.

**Railroad Equipment.**—Norfolk and Western Ry. Co., Clyde Cocke, Pur. Agt., Room No. 351, N. & W. Ry. Bldg., Roanoke, Va.—Bids May 23 for 10 complete car sets cast steel 6-wheel truck material for Class T-44-A trucks for GKD cars, Contr. Serial AA-522.

**Reinforcing Steel.**—See Hydro-Electric Plant.

**Rims and Bolts.**—Pur. Agt., P. O. Dept., Washington, D. C.—Bids May 18 for 250 Goodyear type J rims with bolts, nuts and lugs.

**Road.**—Greenville, S. C. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Virginia. Bids for 2 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—Birmingham, Ala. Bids for 13 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—Corpus Christi, Tex. Bids for roads. See Construction News—Roads, Streets, Paving.

**Road.**—Paducah, Ky. See Construction News—Roads, Streets, Paving.

**Roads.**—State of South Carolina—Bids for 8 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Maryland—Bids for 6 roads. See Construction News—Roads, Streets, Paving.

**Road.**—Memphis, Tex. See Construction News—Roads, Streets, Paving.

**Roads.**—Fairmont, W. Va.—Bids for 5 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—Huntington, W. Va.—Bids for 4 roads. See Construction News—Roads, Streets, Paving.

**Roads.**—State of Texas—Bids for 25 roads. See Construction News—Roads, Streets, Paving.

**Sewers.**—C. M. Holland, Pur. Agt., Fulton County, Room 507, Courthouse, Atlanta, Ga.—Bids May 18 for furnishing labor and materials for constructing Lloyd St. trunk sewer from A. & W. P. Belt Line R. R. to 200 ft. east of South Blvd.

**Sewers.**—Bd. of Awards, Baltimore, Md.—Bids May 23 for sanitary sewer and storm drains in sewer districts, Storm Water Cont. No. 114; 392 ft. 54-in. diam., 224 ft. 48-in., 396 ft. 42-in., 916 ft. of 33-in., 206 ft. of 27-in., 20 ft. of 24-in. diam. rein. conc. pipe drain; 3581 ft. of 21 and 24-in. diam., 1083 ft. of 15-in. and 18-in., 9890 ft. of 8-in. and 10-in. vit. pipe sewer; 3190 ft. of 5-in. and 6-in. diam. vit. pipe house connections; 7100 ft. 4-in. and 6-in. diam. underdrain; manholes; Milton J. Ruark, Sewerage Engr.

**Sewers.**—City of Shelby, N. C.—Bids May 31 for construction sewerage improvements, including following in place: Imhoff tank; sludge bed; 11,000 ft. of 10-in., 12-in. and 18-in. v. c. or conc. sewer pipe; 54 manholes with necessary appurtenances; The Carolina Engineering Co., Engrs., 917 Johnston Bldg., Charlotte, G. H. Bishop, Consit. Engrs.

**Sewer Pipe.**—City of Opelousas, La., A. J. Perrault, Mayor—Bids June 5 for furnishing and laying approximately 12 mi. sewer pipe, sizes 8, 10 and 12-in. and bids for constructing flush tanks, manholes and accessory work and sewage disposal plant.

**Shop Equipment for Schools.**—Board of Awards, Office of City Register, Baltimore, Md.—Bids May 23 for furnishing and installing jack panels, batteries, wiring, etc., for laboratories at new City College and new Western High School; furnishing machinery, equipment, tools and supplies for automobile shops; machinery, equipment, tools and supplies for sheet metal shops.

**Stage Equipment.**—Dist. Commrs., Dist. Bldg., Washington, D. C.—Bids May 28 for furnishing and installing stage rigging, including loading platforms, counterweight system, light bridge and electrical work, at McKinley Technical High School.

**Stationery.**—Edwin P. Thayer, Sec., U. S. Senate, Washington, D. C.—Bids May 22 for furnishing stationery for fiscal year ending June 30, 1929, U. S. Senate.

**Storage Dam.**—City of Henryetta, Okla., Clarice Harriman, Clk.—Bids May 21 for material, labor, machinery and equipment for storage dam and appurtenances.

**Street.**—Gretna, La. See Construction News—Roads, Streets, Paving.

**Street.**—Huntsboro, Ala. See Construction News—Roads, Streets, Paving.

**Street.**—Bryan, Tex. See Construction News—Roads, Streets, Paving.

**Street.**—Baltimore, Md. See Construction News—Roads, Streets, Paving.

**Street Lighting System.**—Comsn. Council of Baton Rouge, La., Powers Higginbotham, City Engr.—Bids May 29 for constructing and installing complete ornamental street lighting system.

**Streets.**—Paducah, Ky. See Construction News—Roads, Streets, Paving.

**Structural Steel.**—See Hydro-Electric Plant.

**Tank and Tower.**—See Water Works Equipment.

**Tank and Tower.**—See Water Works.

**Tires.**—Pur. Agt., P. O. Dept., Washington, D. C.—Bids May 28 for 50 pneumatic cord tires.

**Transmission Oil.**—Pur. Agt., P. O. Dept., Washington, D. C.—Bids May 28 for 300 5-gal. cans, 25 half drums and 210 drums heavy transmission oil.

**Towing Checks.**—U. S. Engr. Office, Fourth Mississippi River Dist., New Orleans, La.—Bids May 21 for 12 towing checks.

**Water Purification Plant.**—City of Kings Mountain, N. C.—Bids May 29 for construction of water-purification plant, consisting of following complete in place: 1,000,000-gal. water-purification plant conc. dam; 4 mi. 14-in. and 16-in. c. i. pipe; 4 mi. transmission line, all necessary appurtenances; the Carolina Engineering Co., Engrs., 917 Johnston Bldg., Charlotte; G. H. Bishop, Consit. Engr.

**Water Works.**—Town of Wiggins, Miss., J. P. Clendenin, Mayor—Bids May 29 for complete water works system, including 7410 ft. of 6-in., 4110 ft. 4-in., and 2000 ft. of 2-in. c. i. mains; motor driven centrifugal pump; conc. reservoir, 90,000 gal. capacity; elevated tank and tower, 100,000 gal. capacity, on 100 ft. tower; 26 hydrants, valves, etc.; Morgan & Co., Inc., Engrs., 428 Edwards Bldg., Jackson.



**Water Works.**—City of Cleveland, Miss., R. B. Johnson, Mayor—Bids May 21 for following: Section A—744 ft. of 10-in. Class B. c. i. water main or 744 ft. of centrifugal cast pipe; also price per ton on necessary c. i. fittings to be used in connection; Section B—two 10-in. hub end water main gate valves; 1500 lbs. pig lead, 100 lbs. jute; Section C—on all labor, tools and equipment for complete installation of above materials and equipment; F. G. Proutt, Consult. Engr., 374 Randolph Bldg., Memphis, Tenn.

**Water Works Equipment.**—City of Mangham, La., W. Sim Sayre, Mayor—Bids May 31 for water works equipment, including pumps, elevated tower and tank, c. i. pipe and fittings, and labor and materials in

connection with work; F. P. Joseph, M. E., Consult. Engr., Glenmora.

**Water Works Improvements.**—Town of Boyle, Miss., H. G. Smith, Clk.—Bids May 30 for c. i. pipe, either Class B or centrifugally cast Class 150; 5440 ft. 4-in., 1400 ft. 6-in., 180 ft. 8-in. and 2½ tons special and for laying same; 14 fire hydrants, 6-in. barrel; 11 gate valves, 4, 6 and 8-in. and boxes; small amount of gal. w. pipe, valves and specials; 100,000 gal. steel tank 100 ft. high; 175 g. p. m. centrifugal pump connected to 40 degree squirrel cage motor; conc. foundations for tank and pump.

**Water Wheels.**—See Hydro-Electric Plant.

**Window Shades.**—Bd. of Awards, Office of City Register, Baltimore, Md.—Bids May 23 for furnishing window shades in City Hall.

#### Opens Winston-Salem Branch.

The Baltimore Electrical Supply Company of Baltimore, Md., which operates houses at Greensboro, N. C., and Jacksonville and Miami, Fla., under the firm name of Flannery Electrical Supply Company, has opened a house in Winston-Salem at 144 North Church street. The company carries a complete line of electrical supplies and is a wholesale concern.

#### Ohio Power Shovel Offices.

The Ohio Power Shovel Company, Lima, Ohio, manufacturers of Lima "101" 1¼-yard single-line gasoline shovel, announce the opening of an office at 30 Church street, New York city, in charge of L. H. Morris; a Philadelphia office at 1119 South Fifty-sixth street, with E. E. Fort in charge, and a Chicago office at 1250 Straus Building, H. P. Steinbrenner in charge.

#### Smith Company Names Distributors.

The T. L. Smith Company of Milwaukee, builder of Smith mixers and pavers, announce the appointment of Woodward-Wight Company of New Orleans as their distributors for Louisiana and Southern Mississippi.

#### Book Review

**Present Day Russia.** By Ivy Lee. New York: The Macmillan Company. Cloth. Pp. 204. \$2.50.

As the author, Ivy Lee, a publicity expert, explains, this book is supplementary to an earlier volume, issued for private distribution, in which he gave his impressions of present-day Russia, based on a visit of 10 days to that land. Some of the conditions related in the first edition have changed and "a number of inaccuracies have been brought to my attention since that private distribution," says Mr. Lee, and, "without changing the substance of the book, the facts have been given in this edition."

**New Milcor Manual.**—The latest edition of the Milcor Manual, No. 20-E, issued by the Milwaukee Corrugating Company, Milwaukee, Wis., contains 96 pages of useful and up-to-date information for architects, contractors and builders of all kinds. The four different types of Milcor metal lath are shown and discussed. Each type has definite uses and these are taken up in detail, with drawings to help clarify the points emphasized.

**Whitcomb Locomotives.**—Bulletin 2824, obtainable from the Geo. D. Whitcomb Company, Rochelle, Ill., gives information and views of gasoline locomotives on which that concern specializes, the types covered in this issue being all of the standard four-wheel, four-speed, gear-driven variety. The engines are built with a large margin of power, such as will care for temporary overloads; all parts are easy of access and the engines are described as "unsurpassed as an economical haulage unit."

**Saws, Saw Tools, etc.**—The spring issue of "The Saw Kerf," house organ of E. C. Atkins & Co., Inc., Indianapolis, carries to its 40,000 readers, as estimated by the company, much interesting information. The plan and purpose of the pamphlet is described as to help forest-fire prevention, to promote reforestation, "the exploitation of the best sawmill engineering and production methods" and "the promulgation of scientific and modern saw and machine knife manufacture."

## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers, whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

#### Great Navy Yard Sale.

Many articles, in wide variety, are offered by the United States Navy Department at a public auction sale to be held at the Navy Yard, New York, on June 5 next at 9.30 A. M., daylight saving time. On the list are approximately 8,000,000 pounds of ferrous metals and 400,000 pounds of non-ferrous; clothing and shoes, a harbor tug, small boats, medical supplies, books, hardware and hand tools, electrical material, pipe fittings, paint and varnish, and so on. All details may be obtained in Catalogue 637-A from the Supply Office, Navy Yard, New York, or the Naval Supply Department, Twenty-ninth street and Third avenue, Brooklyn, N. Y., or the Navy Bureau of Supplies and Accounts, Washington, D. C. Philip Smith, 259 West Seventieth street, New York, will be the auctioneer.

#### Sullivan Machinery Co. Exhibits.

A Sullivan angle compound compressor, size 16-9¼x10, was selected by the Sullivan Machinery Company, Chicago, to be shown in operation and to supply other exhibitors with compressed air, as has been the case for the past 14 or 15 years, at the American Foundrymen's Association in Philadelphia, May 14. A Sullivan Class WG-6, 12x10, straight-line, single-stage, belt-driven compressor, a two-cylinder vertical compressor, type WL-22, and two Sullivan portable hoists also were selected. At the American Mining Congress in Cincinnati, May 7-11, were Sullivan CLU combined mining and shearing, track-cutting machine and other Sullivan features.

#### Asphalt Plant at Auction.

The Cherokee Rock Asphalt Company, the Rock Asphalt Corporation asphalt plant at Cherokee, Ala., will be sold as a complete unit on June 25, at noon, at the courthouse door in Tusculum, Ala. The plant is 25 miles west of Wilson dam and Muscle Shoals, in the natural sandstone asphalt belt. W. R. Strickland, receiver, Cherokee, Ala., will give detailed information and interested persons may call at the plant office before the date of sale, and facilities will be afforded for complete inspection of the properties.

#### Iron and Steel Personnel.

The Republic Iron and Steel Company, Youngstown, Ohio, announces the following appointments: W. B. Topping, general manager of sales, and A. E. Walker, assistant, and the following division managers: W. W. Hall, bar and specialty; F. H. Loomis, strip steel; Avery Adams, tin plate; J. E. Holmes, pipe, and F. L. Rownd, sheet.

#### New Portable Air Compressor.

Ingersoll-Rand Company, New York, has added to its line of portable air compressors a new size, 4¼-inch bore by 4-inch stroke, with piston displacement of 82 cubic feet per minute. It is intended primarily for use by contractors, public utilities, cities, towns, etc., requiring a unit of slightly larger capacity than the 4¼x4-inch, 66-cubic-foot machine. The new unit embodies all the exclusive Ingersoll-Rand features found on the other six sizes.

#### Republic Iron and Steel Expands.

An important business movement in the iron and steel trade is indicated in announcement that the Republic Iron & Steel Company, Youngstown, Ohio, has purchased the Trumbull Steel Company, Warren, Ohio. The Republic Iron & Steel Company is understood to stand fifth among the country's largest producers of steel, and the latest expansion further strengthens its established ability to offer a wide list of steel products of established high quality and in all ways to cover the needs of the industry's manufacturers.

#### W. O. Washburn Withdraws.

The partnership interest of W. O. Washburn in the American Hoist and Derrick Company has been purchased and taken over by Frank J. Johnson, the senior partner and one of the founders of the business, which will be continued as a corporation, with the following officers: F. J. Johnson, president and treasurer; Howard S. Johnson, vice-president in charge of sales; Frederic Crosby, vice-president in charge of production. The name is retained.

#### Peck Advertising Agency Branch.

The Peck Advertising Agency has purchased a building at 503 Atlantic avenue, Brooklyn, N. Y., and the Brooklyn branch will be housed in its new quarters about July 1, occupying the entire five floors and basement. The new building is situated near the Atlantic avenue terminal of the Long Island Railroad.

#### Ingersoll-Rand, Inc., Established.

The Ingersoll-Rand Drill Company, St. Louis, Mo., was succeeded by Ingersoll-Rand, Inc., on May 1, and a new branch operating under the St. Louis office has been opened at 226 West A street, Picher, Okla., to serve customers in Northern Oklahoma, Southern Missouri and Arkansas.

## The Development of Asphaltic Limestone Deposits at Margerum, Ala.

By J. H. CONZELMAN.

Development of the deposits of Alabama asphaltic limestone which started six years ago at Margerum, Ala., has proved up with diamond drills a huge tonnage of bituminous limestone, comparing favorably in quality with the famous European deposits. Margerum asphaltic limestone pavements laid in numerous Southern cities and on State highways have given excellent results, showing that this material has the same long life, durability and low maintenance costs that nearly 100 years of experience has taught may be expected of a bituminous limestone pavement.

Mineralogically, the deposit at Margerum is a limestone impregnated with bitumen. It occurs in a stratum from seven to 18 feet thick, covered with three to 20 feet of overburden. The bitumen content varies from 3 to 8 per cent. The rock is sorted in the quarries and then is mixed there and in the plant, so that the pulverized asphaltic limestone will contain uniformly from 5 to 6 per cent of bitumen.

The production of this limestone is a fairly simple process. The rock is stripped and blasted to crusher size. It is hauled over a standard gauge railroad to the crushing plant where it is reduced in the primary crusher to about four-inch maximum size. The rock is then carried to hammer mill type pulverizers which further reduce it to a size that will pass a  $\frac{3}{8}$ -inch sieve, the size at which it is laid in a pavement. From the pulverizers, it goes to large storage bins, ready for shipment.

Careful attention is given during production of the limestone to controlling, within close limits, the bitumen content. This control starts with the testing of samples from closely blocked core drilling, and the plant laboratory also tests samples taken daily from the working faces of the quarries. The rock is sorted and mixed in the quarries and is further mixed during the various steps of crushing and pulverizing, assuring a uniform product. Additional precautions are taken to secure uniformity by using a storage bin that holds at least one day's production. The pulverized limestone is distributed back and forth over the length of the storage bin by a belt conveyor equipped with a traveling tripper. It is loaded into railroad cars through numerous traps in the bottom of the bin. Systematic tests are made each day on the plant production and each car is sampled and tested after it is loaded. A notice is sent out with each car, showing its bitumen content.

Margerum asphaltic limestone, as shipped ready to be mixed and laid, has the appearance of finely ground, dark colored limestone screenings. At the mixing plant there is added sufficient asphalt cement of the proper penetration for given climatic and traffic conditions. The limestone may be laid on any type of new foundation that would be satisfactory for sheet asphalt or asphaltic concrete. It is especially adaptable to resurfacing old concrete, stone, block, bituminous macadam, waterbound macadam, or gravel surface. It combines high stability with durability. It is stable and does not shove or wave, making a tough malleable surface.

## Completing 200-Mile Railroad in Northwest Texas.

Lubbock, Tex., May 14—[Special.]—Construction of the 208 miles of new lines of the Fort Worth and Denver City Railroad in the South Plains of Northwest Texas will be completed and the lines opened for regular traffic the early part of July, according to present indications. Lubbock, Plainview and a number of other towns will be benefited by the shorter rail route to Fort Worth, Dallas and points in North Texas

which the lines will give them. It will mean also that the Atchison, Topeka and Santa Fe hereafter will have traffic competition in a big region which it heretofore has occupied exclusively.

## Kentucky to Surface Treat 230 Miles Road.

Frankfort, Ky.—Bids will be received May 21 by the State Highway Commission for bituminous surface treatment on 40 road projects covering a total of more than 230 miles and distributed among 28 counties.

## Orders for Electrical Goods.

New orders booked during the first quarter of 1928, as reported to the Department of Commerce by eighty-six manufacturers of electrical goods, were \$244,916,615, as compared with \$239,999,298, for the last quarter of 1927 and \$243,651,415 for the first quarter of 1927.

## Texas County Asks Bids on \$375,000 Courthouse.

Vernon, Tex.—Bids will be received May 29 by the Wilbarger County Commissioners for the construction of a \$375,000 courthouse here, 4 stories, 90 by 140 feet, of concrete and Bedford stone, with terrazzo floors. Estimates will be received separately on general work, plumbing, heating, wiring, electrical fixtures and furniture. Voelcker & Dixon of Wichita Falls, Tex., are the architects.

## Architects for \$1,750,000 Courthouse.

New Orleans, La.—Acting upon the recommendation of the advisory committee, of which Judge Alex O'Donnell is chairman, city council has selected Diboll & Owen, New Orleans, as architects for the proposed \$1,750,000 criminal court building and parish jail. The building will occupy the site of the present House of Detention at Tulane avenue and Broad street, and will be of concrete, steel and brick, with stone trim.

## Rio Grande Railway to Be Sold.

Brownsville, Tex.—Possibility that representatives of both the Southern Pacific and Missouri Pacific Railroads would be among the bidders for the holdings of the Rio Grande Railway when they are sold at auction on a court order, June 5, has been expressed here by persons interested in the sale. Definite information, however, as to the bidders is lacking.

The road, running from Brownsville to Point Isabel, is the oldest rail line in the Valley. It began operating in 1873.

## Commercial Coal Stocks Decline.

Consumers' stocks of bituminous coal on April 1, 1928, amounted to 48,300,000 tons, according to a survey by the Bureau of Mines. In comparison with the amount reported on January 1, 1928, the date of the last previous survey, this is a decrease of 7,200,000 tons. On April 1, 1927, the stocks of bituminous coal were 75,000,000 tons.

Exports during the first quarter of 1928 averaged 199,000 tons a week. Home consumption averaged 10,636,000 tons as against 11,430,000 tons in the same period last year. In addition to stocks in the hands of consumers, there were 4,321,000 tons of bituminous coal on the docks of Lake Superior and Michigan. The stocks of anthracite held by coal merchants reporting to the Bureau of Mines, showed a decrease of 29 per cent when compared with the corresponding date last year.

The City of Amarillo, Lee Bivins, mayor, will vote May 26 on a bond issue of \$900,000 to convert outstanding warrants.



## FINANCIAL NEWS

## Bond Issues Proposed

Ala., Mobile—Road, Bridge—Mobile County Bd. of Revenue will offer \$5,000,000 not to exceed 4% bonds for sale at public auction June 1. 4-3

Florida—Florida Inland Navigation Dist. Comm., East Coast Canal, Chas. F. Burgman, Chmn., Daytona Beach, plans calling bond election about middle of July to provide funds to purchase lands for East Coast Canal. 4-3

Fla., Chipley—Sub-School Dist. 1, Washington County voted \$75,000 bonds; Bd. of Public Instruction Co., receives bids for \$75,000 5% \$1000 denom. dist. bonds. 4-19

Fla., Okeechobee—Refunding—Okeechobee County Commrs., C. E. Simmons, Clk., receive bids May 19 for \$98,000 6% \$1000 denom. bonds. 4-19

Fla., Pass-A-Grille—Improvement—Town, H. O. Newman, Mayor, voted \$55,000 bonds to improve Boca Ceiga bayfront on island; \$42,000, seawall and fill; \$10,000, docks; \$3,000, comfort station. 4-19

Fla., Pensacola—Road, Bridge—Escambia County plans voting June 15 on \$600,000 bonds. 4-19

Fla., Punta Gorda—Improvement—Chas. K. Dodd, City Mgr., receives bids May 29 for \$58,000 6% \$1000 denom. capital fund bonds. 4-19

Fla., Orlando—Refunding—J. A. Stinson, City Clk., receives bids May 23 for \$339,000 5% coupon bonds. 4-19

Fla., Tavares—Umatilla School Dist. 6, Lake County, voted \$10,000 bonds; plans selling bonds in about month. 4-19

Fla., West Palm Beach—Refunding—A. E. Parker, City Mgr., may re-issue \$660,000 bonds. 4-19

Ga., Americus—C. S. Hogg, Chmn. Bd. of Trustees, receives bids May 29 for \$20,000 4½% New Era School Dist. bonds. 4-26

Ga., Dawson—Fire Truck—City Council plans \$12,500 bond election. 4-26

Ga., Smyrna—Water—Town, C. W. Dodgen, Clk., receives bids May 21 for \$35,000 5% \$1000 denom. bonds. 4-26

Ga., Valdosta—Park—City voted \$150,000 bonds. 4-26

Ky., Murray—Road—Calloway County Fiscal Court, T. Rafe Jones, Judge, receives bids for \$150,000 bonds. 4-26

Md., Annapolis—State of Maryland, John M. Dennis, Treas., receives bids June 13 for \$750,000 4% \$1000 denom. Lateral and Post Road Loan of 1927 certificates; \$500,000 4% \$1000 denom. Bridge Loan of 1927 certificates; Albert C. Ritchie, Governor. 4-26

Miss., Ashland—Road—Benton County Bd. of Suprvs., J. L. Cooper, Clk., receives bids June 5 for \$50,000 5½% \$1000 denom. bonds. 4-26

Miss., Bay Springs—Paving—Mayor and Bd. of Aldermen plan \$16,000 bond issue. 4-26

Miss., Hattiesburg—Library—City may vote in 4 or 5 weeks on \$50,000 bonds. 4-26

Miss., Hattiesburg—Road—Forrest County Bd. of Suprvs., Dr. B. E. Green, Pres., plans calling election in 3 weeks on \$750,000 to \$1,000,000 bonds. 4-26

Miss., Meridian—School—Lauderdale County voted \$50,000 bonds. 4-26

Mo., Hamilton—Water—City voted \$20,000 bonds. 4-26

Mo., Holden—School—City votes soon on \$60,000 bonds. 4-26

Mo., Independence—Jackson County voted \$7,000,000 bonds; \$6,500,000, roads; \$500,000, hospital; defeated \$5,000,000 courthouse bonds. 4-5

Mo., Kansas City—City voted \$500,000 bonds for municipal wharf on Missouri River, and \$225,000, Swope Park improvement. Defeated \$1,000,000, airport; \$1,000,000, parkway; \$5,000,000, traffic-ways; \$3,750,000, city hall; \$3,500,000, auditorium. 3-8

Mo., Poplar Bluff—Water—City plans \$175,000 bond issue. 3-8

Mo., St. Louis—City considering \$7,500,000 bond election in Nov.; \$3,500,000, hospitals and other institutions; \$4,000,000, lighting system; W. W. Horner, City Engr. 3-8

N. C., Durham—Paving—City Council authorized \$300,000 bond issue. 4-19

N. C., Kinston—School Funding—Lenoir County Commrs., C. W. Pridgen, Clk., receive bids May 25 for \$95,000 bonds. 4-19

N. C., Roxboro—Courthouse, Jail—Person County, A. C. Gentry, Chmn., Bd. County 4-19

Commrs., votes June 5 on \$150,000 bonds. 4-19

N. C., Shelby—Electric Light and Power—City Council authorized \$35,000 bond issue. 4-19

N. C., Salisbury—Drainage—Bd. of Drainage Commrs., Drainage Dist. 9, will issue \$18,500, 6% \$1000 denom. bonds. 4-19

N. C., Williamston—Martin County Commrs., J. Sam Getsinger, Clk., receive bids May 23 for \$50,000, not to exceed 6% school notes. 4-19

Okla., Chickasha—Fire Equipment—City, C. A. Chincholl, Clk., voted \$20,000 bonds. 2-29

Okla., Elk City—School—City votes soon on \$100,000 bonds. 4-19

Okla., Eufaula—Water—City voted \$16,000 bonds. 4-19

Okla., Locust Grove—Water—City voted \$15,000 bonds. 4-19

Okla., Marlow—Sewer—City voted \$13,800 bonds. 4-19

Okla., Ripley—Town, Austin Groom, Clk., voted \$25,000 water and sewer bonds. 4-19

Okla., Wanette—School—City voted \$12,000 bonds. 4-19

S. C., Columbia—Road—Coastal Highway Commrs., Wade Stackhouse, Chmn., Dillon, plans selling \$750,000 bonds in Sept. and \$1,150,000 bonds in Dec. 4-19

S. C., Gray Court—Gray Court-Owings School Dist. voted \$31,000 bonds. 4-19

S. C., Greenville—Road—Greenville County, W. N. Cruikshank, Supv., Auditor, plans selling \$400,000 reimbursement bonds. 4-19

S. C., Spartanburg—Spartanburg County receives bids May 24 for \$500,000 4½% bonds; \$400,000, highway; \$100,000, hospitals. 4-19

Tenn., Covington—Road—Tipton County Highway Comm. plans voting June 16 on \$1,000,000 bonds. 4-19

Tenn., Dresden—Sewer—City votes Aug. 15 on not to exceed \$30,000 bonds. 4-19

Tenn., Dyersburg—Water, Light—City voted \$120,000 bonds. 4-19

Tenn., Greeneville—Road Refund—Greene County, J. R. Todd, Chmn., receives bids May 28 for \$49,000 bonds. 4-19

Tenn., Kingsport—City voted \$350,000 water bonds; plans selling bonds. 4-19

Tenn., Memphis—Improvement—D. C. Miller, City Clk., receives bids June 5 for \$465,000 4 to 5% \$1000 denom. bonds. 5-3

Tenn., Wartburg—School—Morgan County voted \$55,000 bonds. 4-19

Tex., Alice—Reclamation—Jim Wells County probably vote soon on \$250,000 bonds. 4-19

Tex., Alvin—Alvin Independent School Dist. votes May 29 on \$80,000 bonds; Dr. J. W. Vogan, Pres., Bd. of Trustees. 4-19

Tex., Austin—City votes May 18 on \$4,250,000 bonds; \$1,235,500, resurface paved streets; \$1,876,500, streets, bridges, storm sewers; \$700,000, parks, playgrounds; \$350,000, sanitary sewers; \$250,000, fire department; \$300,000, schools and grounds; \$75,000, abattoir; \$50,000, hospital; \$75,000, airport; \$150,000, library; \$100,000, city market. 3-29

Tex., Burnet—Road—Burnet County, Commrs. Precinct 3, votes June 9 on \$33,000 bonds. 4-19

Tex., Coleman—Coleman Independent School Dist. voted \$38,000 bonds. 4-19

Tex., Corpus Christi—Improvement—John T. Wright, City Sec., considering issuing \$325,000 of \$500,000 bonds, recently voted. 5-10

Tex., Dallas—Road—Dallas County Commrs. Court, F. H. Alexander, Judge, receive bids May 31 for \$2,700,000, 4½ or 4¼% of \$6,950,000 bonds, recently voted. 4-12

Tex., Edna—Edna Independent School Dist. voted \$63,000 bonds. 4-26

Tex., Elkhart—Elkhart Independent School Dist., Anderson County, voted \$30,000 bonds. 4-26

Tex., Gainesville—Road—Cooke County considering bond election. 4-26

Tex., Houston—Improvement—City, W. A. Moore, Sec., receives bids June 6 for \$2,350,000 bonds; bidders to name rate of interest. 4-26

Tex., Kosse—City votes June 2 on \$20,000 bonds; S. T. Jones, Pres., Bd. of Education. 4-26

Tex., Liberty Hill—City voted \$20,000 bonds. 4-26

Tex., Mesquite—Mesquite Independent School Dist. voted \$30,000 bonds. 4-19

Tex., Palmer—Water—City votes May 29 on \$42,500 bonds. 4-19

Tex., Pandora—Pandora Independent School Dist. voted \$22,000 bonds. 4-19

Tex., Pecos—School—City votes May 19 on \$80,000 bonds. 4-19

Tex., Pecos—Irish School Dist., Pecos County, voted \$20,000 bonds. 4-19

Tex., Rush—Refunding—City voted \$81,000 bonds. 4-19

Tex., Slaton—City voted \$15,000, fire station, and \$10,000, water bonds. 4-5

Tex., Taylor—Water—City voted \$250,000 bonds. 4-12

Tex., Wichita Falls—Wichita County, Weeth School Dist. voted \$20,000 bonds. 4-12

Va., Bristol—City, J. F. McCrary, Mgr., receives bids June 5 for \$50,000, 4½% bonds. 4-12

Va., Portsmouth—Water—City, Frank C. Hanrahan, Mgr., votes June 12 on \$500,000 bonds. 5-3

Va., Suffolk—Street—City plans \$60,000 bond issue. 5-3

Va., Wytheville—Town votes in June on \$25,000 bonds; \$4000, balance due on fire truck; \$9000, municipal building; \$12,000, to purchase lands for protection and conservation of water supply; will sell \$25,000 5½% \$500 denom. bonds. 5-3

W. Va., Charleston—Bridge—Kanawha County, Charleston and Loudon Road Dist. voted \$1,250,000 bonds. 4-5

W. Va., Charleston—Road—State of West Virginia, considering voting in Nov. on \$35,000,000 bonds for completing, grading and hard surfacing over 800 mi. of roads. 4-5

W. Va., Princeton—Street—City considering bond issue. 4-5

W. Va., Wellsburg—Road—Brooke County votes in Nov. on \$350,000 bonds. 4-5

## Bond Issues Sold

Ala., Decatur—Street, Sewer—City sold \$40,000 5% bonds to Steiner Brothers, Birmingham, 99 and accrued interest. 4-26

Ala., Opelika—Sewer—City sold \$65,000 6% coupon bonds to First Natl. Bank, Montgomery, \$3050 premium. 4-26

Fla., Bradenton—Road—Manatee County Commrs. sold \$75,000 bonds to Brown-Crummer Co., Wichita, Kan., \$77,250. 4-26

La., Minden—Webster Parish School Bd., J. B. Snell, Pres., sold \$70,000 4½% Springhill School Dist. 8 bonds to Cleaver Vass & Co., Inc., New Orleans. 4-19

Fla., Winter Haven—Refund—City sold \$46,000 5½% \$1000 denom. bonds to Hanchett Bond Co., Chicago, Ill. 4-19

Miss., Bay St. Louis—Road Protection—Hancock County Bd. of Suprvs., A. G. Favre, Clk., sold \$325,000 5½% bonds to Hancock County Bank, \$5025 bonus. 4-26

Miss., Biloxi—Mayor and Bd. of Aldermen sold \$100,000 5% school bonds to Bechtel interests of Davenport, Iowa, \$5525 premium. 4-26

Miss., Canton—Street—City sold \$30,000 5% bonds to Madison County Bank, Canton, par and premium. 4-26

Miss., Gulfport—Harrison County Bd. of Suprvs. sold \$30,000 Pineville Consolidated School Dist. bonds to Mississippi Bond and Securities Co., Jackson, par and accrued interest. 4-26

Miss., Tupelo—Courthouse, Jail—Lee County Bd. of Suprvs. sold \$55,000 6% \$1000 denom. bonds to Spitzer, Rorick & Co., Toledo, Ohio, \$2811 premium. 4-19

N. C., Dallas—Water—City sold \$15,000 5% bonds to Magnus & Co., Toledo, Ohio, \$241.50 premium. 4-19

N. C., Graham—Road, Bridge—Alamance County, B. M. Rogers, Clk., sold \$100,000 4½% bonds to N. S. Hill & Co., Cincinnati, Ohio, 101.4165. 4-19

N. C., Wilson—Gas Plant—City sold \$60,000 4½% coupon bonds to N. S. Hill & Co., Cincinnati, Ohio, \$186 premium. 4-19

Okla., Chickasha—Fire Equipment—City, C. A. Chincholl, Clk., sold \$20,000 4¼% \$1000 denom. bonds to Chickasha Natl. Bank and Oklahoma Natl. Bank, Chickasha, par and accrued interest. 3-29

Okla., Oklahoma City—Road—State School Land Comm. sold \$190,000 bonds to American-First Trust Co., \$192,595. 3-29

Okla., Tulsa—Park—City of Tulsa purchased \$100,000 of \$500,000 bonds voted in 1927. 3-29

Tenn., Knoxville—City sold \$1,257,000 4½% bonds to syndicate composed of Bankers Trust Co., Guaranty Co., Hannab, Ballin & Lee, all New York, and Estabrook & Co., Boston, Mass., 101.109. 3-29

## FINANCIAL NEWS

Tenn., Memphis—Workhouse—Shelby County Court sold \$350,000 4½% bonds jointly to Commerce Securities Co., Memphis, and Illinois Merchants' Trust Co., Chicago, Ill., \$2110 premium. 4-12

Tenn., Somerville—Highway—Fayette County Road and Bridge Committee, W. T. Loggins, Sec., sold \$400,000, 4½% bonds, jointly, to Guardian-Detroit Co., Detroit, Mich., and I. B. Tigrett & Co., Jackson, \$434,100. 4-26

Tex., Breckenridge—Comms. of Breckenridge Independent School Dist. sold \$40,000 bonds to Buchanan Investment & Loan Co., Dallas, 103.87 and accrued interest. 5-3

Tex., Hamilton—H. C. Burt & Co., Houston, purchased \$45,000 5% Hamilton Independent School Dist. bonds, par, accrued interest and \$2250 premium. 5-3

Tex., Raymondville—Road—Willacy County Comms. sold \$200,000 Road Dist 3 bonds to M. W. Elkins & Co., Little Rock, Ark., \$3750 premium and accrued interest.

Tex., Rockdale—Paving—W. E. Gaither, Mayor, sold \$100,000 5% \$500 denom. bonds to Phillips & Co., Houston, par, accrued interest and about \$1500 bonus. 5-10

### New Financial Corporations

Ala., Five Points—Exchange Bank, 2001

Eleventh Ave., South, capital \$35,000, opened; M. J. Knight, Pres.

Ark., Little Rock—Southern Investors, Inc., incorporated; W. C. Ribenack, Marion Hotel. Fla., Lakeland—Lakeland State Bank & Trust Co., capital and surplus \$200,000, opened; Wm. P. McDonald, Pres., Marble Arcade; J. C. Swindell, V.-P.; W. P. Reid, V.-P. and Cashier; acquired liabilities of State Bank of Lakeland.

Fla., Palatka—Palatka Atlantic Natl. Bank, capital \$100,000, organized; J. M. Baker, Atlantic Natl. Bank, Jacksonville, correspondent.

Ga., Waycross—Morgan Plan Co., Inc., Bunn Bldg., Barker St., organized; W. S. Booth, First V.-P.; J. R. Snow, Sec.

Md., Baltimore—United States Trust Co., capital \$1,000,000, being organized; Robert S. Mooney, Pres., 601 Court Square Bldg.

Mo., Hale—Farmers & Merchants Bank of Hale, capital \$20,000, chartered; G. G. Bowlers, O. A. Kincaid, T. J. Suggs.

Okla., Woodward—Percy Zerby applied for charter for bank with \$50,000 capital.

Va., Waynesboro—Citizens-Waynesboro Bank and Trust Co., capital \$100,000, chartered; Boyd Strombock, Pres.; C. M. Lambert, V.-P.; James W. Wright, Cashier;

formed by merger of Waynesboro Natl. Bank and Citizens Bank of Waynesboro.

Athens Savings Bank, G. A. Mell, Cashier, merged with National Bank of Athens, John White Morton, Pres., all Athens, Ga.

American-First Natl. Bank, Oklahoma City, Okla., plans increasing capital; William Mee has been elected chairman of bank's executive committee; William Mee, Jr., as one of vice-presidents.

Greenway Corp., Gerard I. Donovan, Pres., 132 E. North Ave., Baltimore, Md., plans increasing capital, \$350,000 to \$1,000,000.

Bd. of Directors of Citizens Natl. Bank, A. D. Graham, Pres., and Merchants Natl. Bank, Morton M. Prentiss, Pres., both Baltimore, approved plans for merger of banks, as new First Natl. Bank of Baltimore, with main office in Citizens Natl. Bank Bldg., Redwood and Light Sts.; total resources of more than \$112,000,000; capital \$4,000,000, surplus and undivided profits, \$6,000,000; Albert D. Graham, will be Chmn. of Bd. of Dir.; Morton M. Prentiss, Pres.

Fayette Building and Loan Assn., Sig. Kaufman, Fayette, Mo., plans increasing capital to \$750,000.

### \$24,000,000 GORGAS STEAM PLANT UNDER WAY.

#### Ultimate Plans Call for Four Units to Produce 320,000 Horsepower.

Gorgas, Ala.—Concrete work has been started by the Alabama Power Company, Birmingham, on its new steam plant on the Warrior River near here and in the next three months it is estimated that approximately 20,000 cubic yards of concrete will be poured, all of which will be made of Alabama materials. Excavation is under way and is expected to be completed in the fall. This will include a canal to take water from the river to the plant for condensing purposes. About 5000 cubic feet of rock—60 per cent of the total rock excavation—has been removed and 75 per cent of the necessary 70,000 cubic yards of earth excavation for the plant proper has been completed.

Steel work, to involve about 2000 tons of Alabama steel, will begin about the middle of June and is expected to be completed about August 1. The installation of condensers will be started October 1, it is said, while the boilers are expected to be erected in September and turbines installed in December. The plant will be brought into service around May 1, 1929. It will have a rated capacity of 80,000 horsepower and will be the first of four units of similar capacity ultimately to be constructed, making the completed plant the largest electric generating unit of its type in the South, it is said. The three remaining units will be installed as needed, according to officials of the company. The total cost will be about \$24,000,000.

#### Du Pont Interests Plan Four Florida Bridges to Cost \$5,000,000.

Interests associated with Alfred I. du Pont at Jacksonville, Fla., plan to construct four bridges as connecting links in the Florida state highway system, at a reported cost of approximately \$5,000,000. Edward Ball, Jacksonville, representing Mr. Du Pont, states that one of the bridges will cross Santa Rosa Sound at or near Camp Walton to Santa Rosa Island, and another will cross East Pass of Santa Rosa Island to Moreno Point. It is hoped to start the construction of these two the latter part of this year and complete them about June, 1929.

A third bridge will be built across the Suwannee River, a

short distance from the mouth, at a point where state road No. 15 will cross the river, and it is expected that work will begin on this also during this year, but as grading on the highway has not been done, construction may not be started on the bridge until the spring. A fourth bridge was proposed across the Choctowhatchee River at a point where state road No. 10 will cross that river, but because of local opposition a franchise may not be obtained for a bridge at this location.

#### Utilities Company Offers \$10,500,000 Bonds.

Chattanooga, Tenn.—An issue of \$10,500,000 thirty-year 5 per cent first lien and collateral trust gold bonds of the Southern Cities Utilities Company, of this city, has been offered through E. H. Rollins & Sons, Blair & Company, Inc., and Howe, Snow & Company, Inc., all of New York, and H. M. Byllesby & Company, Inc., of Chicago, at 94 and accrued interest. Proceeds from the sale of these bonds and other securities will be used to retire outstanding funded debt of the company, to acquire or redeem funded debt and preferred stocks of certain subsidiaries and for other purposes. Through its subsidiaries, the company operates in Tennessee, North Carolina, Alabama, West Virginia, Maryland, Delaware and New Jersey.

#### Knoxville Sells \$1,257,000 Bonds.

Knoxville, Tenn.—An issue of \$1,257,000 4½ per cent bonds has been sold by the city of Knoxville to a syndicate consisting of The Bankers Trust Company, Guaranty Company, Hannahs, Ballin & Lee and Estabrook & Company, all of New York. The purchase price was 101.109.

#### Lynchburg to Sell \$600,000 Bonds.

Lynchburg, Va.—An issue of \$600,000 4 per cent bonds recently authorized by the city council will be sold on June 9, the city to purchase for its sinking fund \$100,000, maturing from 1930 to 1938, inclusive, and the remaining \$500,000 maturing from 1939 to 1959, inclusive, to be offered for sale.

#### Tennessee County to Sell \$762,000 Road Bonds.

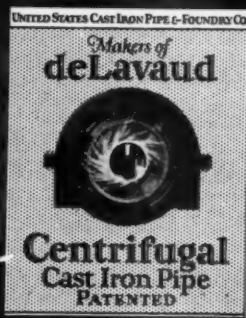
Blountville, Tenn.—Sullivan County 5 per cent bonds in the amount of \$762,000 will be sold here on May 21 to defray the county's share of the cost of the proposed Johnson City-Kingsport highway, recently authorized by the Sullivan and Washington county courts.



PHOTOGRAPH  
showing part  
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## *The 1928*

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# TEXAS—

**P**OSSIBLY you would like to have some information about Texas, but hesitate to ask individuals or commercial organizations because of the widespread publicity such a request might give you.

The TEXAS POWER AND LIGHT COMPANY maintains an industrial department, equipped to give you information regarding any section or city. Such requests are considered as confidential.

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Architect's model of  
The Cathedral of Learning

Photograph by courtesy  
Scientific American



Sinking the great shafts to the bed rock



Rock drillers at work on a shaft



Drillers trimming tops of shafts

## Seating the "highest" seat of learning

### *The Cathedral of Learning, University of Pittsburgh*

FROM ground line to tower top six hundred and eighty feet high, the highest seat of learning in the United States. Twelve thousand students will ride up and down the fifty-two stories of this great tower in twelve elevators. The central tower is approximately ninety feet square and the wings are fifty-four feet wide and vary in length from forty to eighty feet.

The floor space provided in this Cathedral of Learning, if created in four-story buildings, would entirely cover the fourteen acres owned by the University. Actually, only a two-hundred-and-sixty-foot square of ground is used, leaving the University twelve acres for still further expansion.

Sounds like the story of the Tower of Babel and it really is a modern engineering miracle. Such an extremely high building required, of course, a "seating" or foundation of bed rock. In sinking shafts to the limestone bed

rock from five to twelve feet wide and forty-two to fifty-four feet deep, much soft sand and water were encountered about eighteen feet down. Hard rock had to be blasted through before reaching the limestone bed rock. The existence of water and the great size and depth of the shafts presented serious problems.

The du Pont field representative, H. H. Hamilton of the Pittsburgh office, supervised the blasting work on these shafts, using du Pont Gelatin, one-inch by eight-inch cartridges, detonated with du Pont Delay Electric Blasting Caps.

There is an obvious significance in the frequent association of du Pont explosives and explosives field service with large construction work involving real problems. E. I. du Pont de Nemours & Co., Inc., Explosives Department, Wilmington, Delaware.





### Test Wells for Potash in West Texas and New Mexico.

McCamey, Tex.—Drilling potash test wells in this section of West Texas recently, the United States Geological Survey encountered areas of considerable width, finding potash salt near Metz in Ector County at a depth of 952 feet, the bed continuing to 2100 feet. In Crockett County, potash salt was encountered at 1174 feet and at a depth of 1801 feet the hole was still in salt, while potash salt was encountered at a depth of 455 feet in one section of Upton County, continuing to 1230 feet, and at 495 feet in another section, continuing to 1227 feet. Three wells were drilled in Eddy County, New Mexico, in the first of which potash salt was encountered at 796 feet and the well completed at 1850 feet, and in the second potash was encountered at 335 feet, with the hole still in salt when drilling was stopped at 1105 feet. Potash was encountered in the third hole at 365 feet and the well completed at 1505 feet.

### Growers Adopt Rice Testing Methods.

The American Rice Growers Co-operative Association has adopted definite methods of grading all rough rice handled at Beaumont, Texas, as the result of a recent demonstration of such methods by the U. S. Bureau of Agricultural Economics. This is said to be the first farmers' organization in the South to adopt definite test methods.

### \$300,000 Parochial School for Chevy Chase.

Chevy Chase, Md.—Plans are being prepared by Milburn, Helster & Company, Washington, D. C., for a \$300,000 fire-proof school building for the Shrine of the Most Blessed Sacrament, Rev. Thomas G. Smyth, pastor. The building will

be two stories and basement, 125 by 164 feet, Bethesda granite exterior and mat glazed terra cotta trim to harmonize with the church and rectory. Metal window frames and sash glazed with sheet plate glass, will be used.

### \$500,000 Washington Apartment Let to Contract.

Washington, D. C.—Work will soon begin on a \$500,000 eight-story apartment building here for the Trinity Towers Corporation, for which plans have been prepared by Harvey Warwick and general contract awarded the Miller Engineering Corporation, both of Washington. The building will be equipped with two elevators, electric refrigeration and other modern devices.

### Millers to Meet at Richmond.

Business of importance, on constructive lines, is planned for consideration at a joint meeting of the Piedmont Millers Association and the American Millers Association, to be held at the Richmond Hotel, Richmond, Va., June 20, 21 and 22. Expectation is expressed by the sponsors of the gathering that 500 delegates and visitors will be present, making it one of the largest gatherings of millers held in the country.

### Mobile County to Sell \$5,000,000 Road Bonds.

Mobile, Ala.—Mobile County plans to sell at auction on June 1 \$5,000,000 road and bridge bonds, not to exceed 4¾ per cent interest. The bonds will mature serially from June 1, 1931 to 1958, inclusive.

University City, a suburb of St. Louis, Mo., will vote May 25 on a \$550,000 bond issue to erect a new senior high school.



## PROPOSALS

BOND ISSUES

BUILDINGS

PAVING

GOOD ROADS



Bids close June 5, 1928.

PROPOSALS FOR STEEL HULL—Office, Third Mississippi River District, P. O. Box 404, Vicksburg, Miss. Sealed bids for constructing one Steel Hull for Mat Barge and delivering it at Vicksburg, Miss., will be received here until 11 A. M., June 5, 1928, and then opened. Information on application.

Bids close June 13, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 11, 1928.—SEALED BIDS will be opened in this office at 3 P. M. June 13, 1928, for new postmaster's room and interior changes at the U. S. Postoffice, Henderson, Ky. Drawings and specifications may be obtained from the custodian or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 8, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 9, 1928.—SEALED BIDS in duplicate will be received until 3 P. M. June 8, 1928, and then publicly opened, for remodeling and enlarging the United States Postoffice at Orlando, Fla. Drawings and specifications may be obtained from the custodian of the building or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

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THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

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The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close June 15, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 15, 1928.—SEALED PROPOSALS will be opened in this office at 3 P. M. June 15, 1928, for furnishing all labor and material required for a gas-steam heating system, etc., in the U. S. Postoffice at Brownsville, Texas. Drawings and specifications may be obtained from the custodian at the U. S. Postoffice at Brownsville, Texas, or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close May 25, 1928.

WAR DEPARTMENT, United States Engineer Office, Montgomery, Ala. SEALED BIDS, in triplicate, subject to the conditions contained herein, will be received until 2 P. M. May 25, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for constructing and delivering one steel hull for dredge "Blackwater." Further information on application.

Bids close June 12, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 8, 1928.—SEALED BIDS will be opened in this office at 3 P. M. June 12, 1928, for remodeling and enlarging of the U. S. Postoffice and Courthouse at Danville, Va. Drawings and specifications may be obtained from the custodian or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 5, 1928.

TREASURY DEPARTMENT, office of the Supervising Architect, Washington, D. C., May 12, 1928.—SEALED PROPOSALS will be opened in this office at 3 P. M. June 5, 1928, for furnishing all labor and material required for a new heating boiler, etc., in the U. S. Postoffice and Courthouse at Jackson, Tenn. Drawings and specifications may be obtained from the custodian at the U. S. Postoffice and Courthouse at Jackson, Tenn., or at this office, in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Bids close June 5, 1928.

**SEALED BIDS**, in triplicate, subject to the conditions contained herein, will be received by the U. S. Veterans' Bureau, Room 791 Arlington Building, Washington, D. C., until 11 A. M. June 5, 1928, and then publicly opened, for furnishing all labor and materials and performing all work for Infirmary Building No. 1, including roads, walks and drainage at U. S. Veterans' Hospital, Fargo, North Dakota. This work will include excavating, reinforced concrete construction, hollow tile, brickwork, cast stone, marble work, floor and wall tile, linoleum, rubber tile, iron work, steel sash, iron stairs, with slate treads; fire escapes, built-up roofing, roof ventilators, metal lathing, plastering, carpentry, dumbwaiter, metal weatherstrips, insect screens, painting, glazing, hardware, plumbing, heating, including boiler-plant equipment; electrical work, electric elevator, radial brick or concrete chimney and outside sewer, water and electric distribution systems. Separate bids will be received for electric elevator. Bids will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and in making awards the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791 Arlington Building, Washington, D. C. Deposit with application of a check or postal money order for \$25, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of drawings and specifications within ten days after date of opening bids. FRANK T. HINES, Director. May 12, 1928.

Bids close July 31, 1928.

### Proposals for Bridge Franchise Across the Mississippi River at or Near Baton Rouge, Louisiana

Baton Rouge, La.

The Louisiana Highway Commission will, at 11 o'clock A. M. on TUESDAY, JULY 31, 1928, at its offices in the Raymond Building, Baton Rouge, Louisiana, receive proposals for the construction, operation and maintenance of a highway traffic bridge across the Mississippi River at or near Baton Rouge, Louisiana. All proposals must be in sealed envelopes, addressed to the Chairman of the Louisiana Highway Commission, and must be accompanied by a certified check for \$10,000, payable to the Louisiana Highway Commission, as an evidence of good faith. All checks of unsuccessful bidders to be immediately returned after the franchise has been awarded. The check of the successful bidder will be retained by the Commission until it is replaced with a bond for \$25,000, with the successful bidder as principal and a surety company authorized to do business in the State of Louisiana, as surety, conditioned upon the beginning of the work upon the bridge at such time as may be specified in the franchise. All bidders must be able to furnish bond of five (5%) per cent of the estimated cost of the bridge conditioned upon the faithful performance of the franchise, to be filed with the Louisiana Highway Commission at the time the work on the said bridge is begun.

Bids may be made in the alternative for either an exclusive highway traffic bridge, or a combination railroad and highway traffic bridge, and provision must be made in all of the proposals submitted for the amortization of that portion of the bridge devoted to highway traffic, if a combination bridge, or for the entire bridge, if an exclusive highway traffic bridge, with further provision for making the bridge free for highway traffic at the earliest possible time.

The Commission reserves the right to reject any and all proposals, or to select the proposal which seems most desirable and advisable for developing and perfecting the State Highway System of this State, and to enter into a contract accordingly.

LOUISIANA HIGHWAY COMMISSION.  
FRANK T. PAYNE,  
Chairman.

Bids close June 1, 1928.

### State Highway Construction

Nashville, Tenn.

Sealed bids will be received by the State of Tennessee, Department of Highways and Public Works, at their offices in the Memorial Building, Nashville, Tenn., at 10 A. M. Friday, June 1, 1928, and opened publicly at that hour, for the construction of the following projects:

**PROJECT NO. 4-C, BEDFORD-MOORE COUNTIES**—The reconstruction of 12.262 miles of Bituminous Surface on State Highway No. 16, between Shelbyville and the Coffee County line.

**PROJECT NO. 61-C, BEDFORD COUNTY**—The construction of a steel and concrete bridge over Duck River, 341.66 feet in length, on State Highway No. 10, between Shelbyville and the Lincoln County line, near Shelbyville.

**PROJECT NO. 75-C, DAVIDSON COUNTY**—The construction of a concrete overhead structure and approaches over the N. C. and St. L. Railway, 0.125 mile in length, on State Highway No. 1, between Nashville and Nine Mile Hill.

**PROJECT NO. 81-A, OBION COUNTY**—The construction of 5.785 miles of pavement on State Highway No. 3, between Obion and Troy. The grading and drainage of this project has been completed under a former contract.

**PROJECT NO. 81-B, DYER COUNTY**—The construction of 5.426 miles of pavement on State Highway No. 3, between Newbern and the Obion County line. The grading and drainage of this project has been completed under a former contract.

**PROJECT NO. 103-D, MARION COUNTY**—The reconstruction of 2.114 miles of Bituminous Surface on State Highway No. 2, between Junction of No. 16 at Monteagle and a point east of Monteagle.

**PROJECT NO. 137-C, MARION COUNTY**—Grading and drainage of 4.242 miles of State Highway No. 27, between the Alabama State line and Kimball. Bids for one reinforced concrete bridge over twenty-foot span will be received separately.

**PROJECT NO. 137-D, MARION COUNTY**—The reconstruction of 9.247 miles of Bituminous Surface on State Highways Nos. 2 and 27, between Kimball and Sequatchie.

**PROJECT NO. 143-B, JOHNSON COUNTY**—Grading and drainage of 1.629 miles of State Highway from Trade east to the North Carolina State line.

**PROJECT NO. 150-B, COFFEE COUNTY**—The construction of a concrete overhead structure over the N. C. and St. L. Railway, on State Highway No. 2, in Manchester.

**PROJECT NO. 161-B-C, ROANE-MORGAN COUNTIES**—Grading and drainage of 8.714 miles of State Highway No. 31, between Harriman and a point near Oakdale. Bids for two bridges over twenty-foot span will be included with the roadway contract.

**PROJECT NO. 161-D, MORGAN COUNTY**—Grading and drainage of 8.209 miles of State Highway No. 31, between a point near Oakdale and Warburg. Bids for four bridges over twenty-foot span will be received separately.

**PROJECT NO. 209-A-B, CUMBERLAND-ROANE COUNTIES**—Grading and drainage of 6.911 miles of State Highway No. 1, between Ozona and Rockwood.

**PROJECT NO. 219, MADISON COUNTY**—Grading and drainage and construction of 4.484 miles of paving on State Highway No. 20, between Jackson and F. A. P. No. 57. Bids for three bridges over twenty-foot span will be included with the roadway contract.

**PROJECT NO. 309-B, SULLIVAN COUNTY**—The construction of a steel and concrete bridge, 406.25 feet in length, on State Highway No. 34, between Bluff City and Bristol, over the Holston River near Bluff City.

**PROJECT NO. 315-B, & S. B. P. 4-B, DECATUR COUNTY**—Grading and drainage of 5.685 miles of State Highway No. 23, between Parsons and Perryville. Bids for two bridges over twenty-foot span will be included with the roadway contract.

**PROJECT NO. 323-B, MONROE COUNTY**—Grading and drainage and construction of 1.000 mile of concrete pavement on State Highway No. 64, in the town of Madisonville.

**PROJECT NO. 334-D, MARSHALL COUNTY**—Grading and drainage of 1.087 miles of State Highway No. 51, between Farmington and Chapel Hill, being approaches to bridge over Rich Creek.

**PROJECT NO. 339-F, HAMILTON COUNTY**—The widening of concrete pavement on 3.100 miles of State Highway No. 2, be-

tween Missionary Ridge tunnel and Chickamauga Creek.

**PROJECT NO. 339-G, HAMILTON COUNTY**—The construction of a steel and concrete bridge over Chickamauga Creek, 400.17 feet in length, on State Highway No. 2, between Chattanooga and Silverdale.

**PROJECT NO. 353-B, HAMILTON COUNTY**—Grading and drainage of 4.734 miles of State Highway No. 29, between a point approximately five miles north of Valdeau, on the Dayton Pike, and a point approximately ten miles north of Valdeau. Bids for two concrete bridges over twenty-foot span will be included with the roadway contract.

**PROJECT NO. 366-D, FENTRESS COUNTY**—Grading and drainage of 9.880 miles of State Highway No. 73, between State Highway No. 23, near Jamestown and the Morgan County line.

**PROJECT NO. 372-C, LOUDON COUNTY**—The construction of a timber overhead structure over the Southern Railway on State Highway No. 2, between Sweetwater and the Loudon County line, near Sweetwater.

**PROJECT NO. 373-B, MONROE COUNTY**—The construction of a timber overhead structure over the Southern Railway on State Highway No. 2, between Sweetwater and the Loudon County line, near Sweetwater.

**PROJECT NO. 374-C, WARREN COUNTY**—Grading and drainage and construction of a crushed stone base on 6.596 miles of State Highway No. 57, between State Highway No. 1 and the Van Buren County line.

**PROJECT NO. 375-B, MONTGOMERY COUNTY**—Grading and drainage of 0.693 miles of State Highway No. 12, being the approaches to Red River Bridge, near Clarksville.

**PROJECT NO. 381-D, WILLIAMSON COUNTY**—The construction of three concrete bridges on State Highway No. 6, between Franklin and the Davidson County line.

**PROJECT NO. 384-A, DAVIDSON COUNTY**—The construction of two concrete bridges on State Highway No. 11, between Nashville and the Williamson County line.

**PROJECT NO. 385-A, STEWART COUNTY**—Grading and drainage of 13.207 miles of State Highway No. 76, between Dover and the Tennessee River. Bids for three bridges over twenty-foot span will be included with the roadway contract.

**PROJECT NO. 388-A, WILLIAMSON COUNTY**—The construction of a concrete bridge over McCutcheon Creek on State Highway No. 6, between Springhill and Franklin.

**PROJECT NO. 383-A, GILES COUNTY**—Grading and drainage of 3.492 miles of State Highway No. 15, between the Maria Road and Pulaski. Bids for one bridge over twenty-foot span will be included with the roadway contract.

Bidder's bond, on the form furnished with the proposal, from a surety acceptable to this Department, or certified check made payable to this Department, in the amount of not less than five per cent (5%) of the total bid, must accompany the bid as evidence of good faith and as guarantee that, if awarded the contract the bidder will execute and give bond as required.

Plans will be furnished at cost, with no refund. Standard specifications are furnished at a charge of \$1.00 each, with no refund. Proposals are furnished free of charge.

The right to reject any or all bids is reserved.

HARRY S. BERRY,  
Commissioner.

Bids close May 22, 1928.

### Road Improvements

Greenville, S. C.

Bids will be received by the Greenville County Highway Commission, Greenville, S. C., until 11 A. M. May 22, 1928, for Top Soiling and preparing for Surface Treatment approximately 103 miles of cross-country Roads.

Work consists of scarifying, resolling, shaping and placing approximately 90,000 Cu. Yds. of Top Soil.

Each bid to be accompanied by certified check for 5% of the total bid. The right is reserved to reject any or all bids.

Proposals and Specifications may be obtained from the Engineers upon deposit of \$5.00.

B. F. RUSH,  
Chairman of Commission.  
DALTON & NEVES, Engineers,  
Cleveland Building,  
Greenville, S. C.



Bids close May 31, 1928.

**Street Improvements**

Hurtsboro, Ala.

Sealed bids will be received by the Mayor and Town Council at the office of Town Clerk, Hurtsboro, Alabama, until 11 A. M. May 31, 1928, and at that time publicly opened, for street improvements under Improvement Ordinance No. 1, payment for which will be made in Special Assessment non-Obligation Bonds of the Town of Hurtsboro. The same being Main Street, from Railroad Street to Gregory Street. The principal items of work are approximately as follows:

Common Excavation ..... 2400 Cu. Yds.  
Concrete Paving ..... 5250 Sq. Yds.  
Rock Asphalt Paving ..... 300 Sq. Yds.  
Combined Curb and Gutter ..... 1350 Lin. Ft.  
Storm Sewers ..... 600 Lin. Ft.

Plans and specifications are on file in the office of the Mayor at Hurtsboro and in the office of the Consulting Engineers, Birmingham, Alabama. Specifications and Proposal blanks can be secured on deposit of \$5.00 from the undersigned or from the Consulting Engineers. Copy of the plans will be mailed by the Consulting Engineers on receipt of payment (not deposit) of \$10.

The right to reject any or all bids is reserved.

Cash or certified check or proposal bond for Fifteen Hundred (\$1500) Dollars, made payable to the Town of Hurtsboro, Alabama, must accompany each bid as evidence of good faith, and as a guarantee that if awarded contract the bidder will execute the contract and give bond as required.

G. P. WALKER, Mayor.  
ROBERT L. TOTTEEN, INC.,  
Consulting Engineers,  
Birmingham, Ala.

Bids close May 22, 1928.

**Road Improvements**

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION

**NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building seven sections of State Highway as follows:

Allegany County, Cont. A-53—One section of State Highway along the Cresaptown-Keyser Road from end of Cont. A-41 to McCool, a distance of 4.96 miles. (Concrete.)

Calvert County, Cont. C-29—One section of State Highway between North and South Chesapeake Beach, a distance of 0.79 mile. (Gravel.)

Somerset County, Cont. S-30—One section of State Highway from end of Cont. S-24 toward Fairmont for a distance of 1.0 mile. (Concrete.)

Carroll County, Cont. C1-21-B—One section of State Highway along the Finksburg-Asbestos Road for a distance of 0.62 mile. (Concrete Shoulders.)

Montgomery County, Cont. M-34-A—One section of State Highway between Seek's Corner and Four Corners, a distance of 1.8 miles. (Concrete Shoulders.)

Kent County, Cont. K-33—One section of State Highway from Redding's Corner through Lynch towards Catt's Corner for a distance of 2.25 miles. (Concrete.)

Baltimore County, Cont. B-88—One section of State Highway for surfacing over Bridge and Approaches of the Little Gunpowder Bridge on the Philadelphia Road, and the Little Gunpowder Bridge on the Harford Road. (Concrete.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 22nd day of May, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 3rd day of May, 1928.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close June 5, 1928.

**Construction and Material Proposals**

Bastrop, La.

The Police Jury of Morehouse Parish will receive bids at Bastrop, Louisiana, up to 2 P. M. Tuesday, June 5, and at that time and place publicly open and read proposals for the following construction and materials:

1—Constructing highway project B, beginning at Point Pleasant Bridge 2½ miles west of Bastrop; thence in southwesterly direction to Patton Place, on Bayou Bartholomew. This project also includes a 1½-mile lateral section, connecting with main project; total length of entire work approximately 7¼ miles.

2—Furnishing 5760 cubic yards washed gravel (8640 yards sand-clay gravel as alternate) f. o. b. cars Bastrop, Louisiana.

3—Furnishing creosote lumber and piling for above project.

4—Furnishing reinforced concrete pipe f. o. b. Bastrop, Louisiana.

5—Removing structures from within right-of-way limits.

Information governing manner of submitting the proposals, terms of payment and proposal blanks for submitting bids on the above work may be secured upon application at the Parish Engineer's office at Bastrop, Louisiana. A certified check in the amount of 5% of the amount bid must accompany each proposal and a surety bond in the amount of 50% of the total amount bid will be required when contract is awarded.

J. LESTER WHITE,  
Parish Engineer.

J. W. BRODNAX,  
President Police Jury.

Bids close May 29, 1928.

**State Highways**

DEPARTMENT OF PUBLIC WORKS  
STATE OF MARYLAND  
STATE ROADS COMMISSION

**NOTICE TO CONTRACTORS**

Baltimore, Md.

SEALED PROPOSALS for building six sections of State Highway as follows:

Washington County, Cont. W-56—One section of State Highway from Cascade to Camp Ritchie for a distance of 0.78 mile. (Macadam.)

Montgomery County, Cont. M-110—One section of State Highway along Georgia Avenue, through Silver Springs, a distance of 0.84 mile. (Concrete.)

Anne Arundel County, Cont. AA-57—One section of State Highway from Millersville toward Garbrills for a distance of 1.45 miles. (Concrete.)

Hatford County, Cont. H-66—One section of State Highway between Federal Hill and Clermont Mills for a distance of 1.0 mile. (Concrete.)

Queen Anne County, Cont. Q-41—One section of State Highway between Queen Anne and Starr for a distance of 1.0 mile. (Concrete.)

Anne Arundel County, Cont. No. 314-A—One section of State Highway along the Camp Meade Road between Pumphrey and Stoney Run, a distance of 2.5 miles. (Concrete Shoulders.)

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 29th day of May, 1928, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form, which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 10th day of May, 1928.

JOHN N. MACKALL, Chairman.  
L. H. STEUART, Secretary.

Bids close May 22, 1928.

**Street Improvements**

Bainbridge, Ga.

Sealed proposals on blank forms furnished by the city and addressed to the "MAYOR AND ALDERMEN, BAINBRIDGE, GEORGIA," will be received until 7 o'clock P. M., Central Standard Time, May 22, 1928, for furnishing all material, equipment and labor necessary for doing the following work:

Approximately 38,000 square yards of street paving, together with all necessary curbs, curbs and gutters, drainage and other appurtenances connected therewith, as set out in the plans and specifications as adopted by said Board.

This work will be done under the provisions and paid for according to the provisions of an Act of the General Assembly of Georgia, approved August 25, 1927 (Georgia Laws, 1927, pages 321-335).

Each bid shall be accompanied by a certified check (not bidder's bond), made payable to the City of Bainbridge, Georgia, for not less than Ten Thousand (\$10,000) Dollars.

Plans and specifications can be seen at the office of the City Clerk or at the office of the Engineers, and specifications can be obtained from the Engineers upon payment of two dollars, or, if requested, the Engineers will furnish full sets of plans and specifications upon payment of ten dollars to cover cost of printing and handling.

The right is reserved to reject any or all bids.

W. L. WILKINSON, Mayor.  
T. N. BUCKNER, City Clerk.  
H. S. JAUDON ENGINEERING CO.,  
Engineers,  
Elberton, Ga.; Bainbridge, Ga.

Bids close May 28, 1928.

**Sewers and Appurtenances**

Towson, Md., May 4, 1928.

Sealed proposals, addressed to the County Commissioners of Baltimore County and endorsed bids for the excavation and laying of sewers and appurtenances thereto, in the vicinity of "CATONSVILLE," Contract No. 11-S, will be received at their office in the Courthouse, Towson, Md., until 11 A. M., Eastern standard time, on May 28, 1928, next, when they will be publicly opened and read.

**APPROXIMATE QUANTITIES**

SECTION NO. 1. HERBERT RUN SEWER  
CONTRACT NO. 11-S

360 Lin. Ft. 8-inch T C Sewer.  
1500 Lin. Ft. 12-inch T C Sewer.  
3467 Lin. Ft. 15-inch T C Sewer.  
2160 Lin. Ft. 18-inch T C Sewer.  
32 Lin. Ft. 18-inch Brick and Concrete Sewer.

3670 Lin. Ft. 20-inch T C Sewer.  
400 Lin. Ft. 6-inch House Connections.  
34 Manholes.

2800 Cu. Yds. Rock Excavation.  
The bids must be totaled and accompanied by a certified check for Two Thousand (\$2000) Dollars, payable to the County Commissioners, as a guarantee that the successful bidder will sign the contract.

A bond for an amount equal to the amount of the bid of a Surety Company satisfactory to the Commissioners will be required of the successful bidder. A copy of the Specifications, Plans and Drawings will be furnished prospective bidders on the receipt of a certified check for Twenty-five (\$25) Dollars, refund of which will only be made upon receipt of a bona fide bid and return of the specifications and drawings to the office of the Chief Engineer of the Baltimore County Metropolitan District within ten (10) days after the opening of bids and award of the contract. No specifications or drawings will be issued after May 25, 1928, next. Specifications and drawings can be seen at the office of the Chief Engineer of the Baltimore County Metropolitan District, Towson, Md., after May 11, 1928.

Consideration will be given bidder's experience (must be stated in or attached to the bid), financial standing and reputation for having done successful work of the kind specified without controversy or litigation, and the Commissioners reserve the right to reject any or all proposals or bids, or proposals or bids that contain exceedingly high or low items, or to accept any proposal or bid, or to waive technicalities, as they may deem best for the interest of the county.

BY ORDER OF THE BOARD.

JOHN R. HAUT,  
Chief Clerk.  
A. E. WALDEN,  
Chief Engineer.

Bids close July 10, 1928.

**Hydro-Electric Power Plant**

Cordele, Ga., May 9, 1928.

Sealed proposals will be received at 10 A. M. Standard Eastern Time, Tuesday, July 10, 1928, by the Hydro-electric Power Commissioners of Crisp County, Georgia, in the Commissioners' office in the Courthouse in Cordele, Crisp County, Georgia, for furnishing all labor, tools, machinery, accessories, temporary buildings and structures, material, equipment and supplies and everything incident and necessary and required for the construction of a complete hydro-electric plant complete with two water-wheel-driven generators installed therein.

Plant to be located on Flint River, in Worth and Lee Counties, near Warwick, Worth County, Georgia.

INFORMATION can be obtained from: Mr. J. J. Williams, Chairman, Power Commission, Cordele, Georgia.

Emmet S. Killebrew, Chief Engineer, Albany, Ga.

J. E. Sistrine & Co., Consulting Engineers, Greenville, South Carolina.

PLANS and Specifications can be secured from the Chief Engineer upon deposit of One Hundred (\$100) Dollars, Seventy-five (\$75) Dollars of which will be refunded upon return of said plans in good condition within 30 days after contract has been awarded.

All proposals shall be sealed and addressed to Mr. J. J. Williams, Chairman Power Commission, Cordele, Ga., and shall be plainly labeled on outside wrapper "Proposal Number (I)," "Proposal Number (II)," "Proposal Number (III)," conforming to bidding.

PROPOSALS ARE invited covering the following general divisions constituting this project:

UNDER NO condition or conditions will contract or contracts for hydraulic and electrical equipment covered by proposals numbers (II) and (III) be executed with any person, firm or corporation other than the manufacturer thereof.

PROPOSAL NUMBER (I)  
Buildings, structures, accessories, hoisting equipment, earth-fill dams, excavation, etc., etc.

PROPOSAL NUMBER (II)  
Hydraulic Machinery, including governors, oil pumps, oil tanks, piping, etc., etc., erected complete, tested and put in operation.

PROPOSAL NUMBER (III)  
Electrical Machinery, accessories, switchboard, wiring, etc., etc., erected complete, tested and put in operation.

EACH bid must be accompanied by a certified check, payable to the Power Commission of Crisp County, for an amount equal to 5% (five per cent) of the amount of the bid to guarantee that the successful bidder will, within ten (10) days from the date of notice of award of contract, enter into contract with the Power Commission of Crisp County for the performance of the work, and execute an acceptable collateral or other satisfactory bond to an amount of one hundred (100%) per cent of the contract price for the full and faithful performance and execution of all conditions of the contract, and in accordance with the plans, specifications, conditions and requirements as stipulated in call for bids. The proceeds of such checks are to become the property of the Power Commission of Crisp County, Georgia, if for any reason whatever the bidder withdraws from the competition after opening of bids, or refuses to execute the required contract and bond, if his bid is accepted.

NO BIDDER'S BOND WILL BE ACCEPTED.

Checks will be returned after the approval of the contract and bond executed with the successful bidder.

The Commission, at their discretion, may return such checks as they see fit before the signing of the contract.

NO BIDS will be considered except those who are experienced hydro-electric builders, and these shall have adequate equipment and satisfactory financial rating and be authorized to do business in the State of Georgia as required by law.

THIS project is for Crisp County, Georgia, and consists briefly of approximately:

- 14,000 cubic yards limestone excavation.
- 50,000 cubic yards earth excavation.
- 230,000 cubic yards earth-fill dams.
- 25,000 cubic yards Class "A" reinforced concrete.
- 500 tons structural steel.

- 1,000 tons reinforcing steel.
- 1 brick building, 40 ft. x 150 ft. x 50 ft. high.
- 2 3600-horsepower vertical water wheels and generators installed complete.

THE Commission reserves the right to reject any or all bids.

J. J. WILLIAMS, Chairman;  
P. F. FITZGIBBONS,

Vice-Chairman;

J. W. CANNON,  
JERE SLADE,  
J. S. SHEPARD,  
J. A. SLOAN,  
LOREN WILLIAMS,

Commissioners.

JUDGE W. P. FLEMING,

Secretary.

EMMET S. KILLEBREW,

Chief Engineer,

Albany, Georgia.

J. E. SISTRINE & COMPANY,

Consulting Engineers,

Greenville, S. C.

Bids close May 22, 1928.

**Power-Plant Improvements**

Leland, Miss.

The Mayor and Board of Aldermen of the Town of Leland, Mississippi, will receive bids at the Town Hall until 10 o'clock A. M. May 22, 1928, for equipment, material and labor necessary in the power-plant improvements.

The contemplated improvements require the following:

- 1—150 K.W. and one (1) 250 K.W. Diesel engine units, or
- 1—150 K.W. and one (1) 300 K.W. Diesel engine units, or
- 1—300 K.W. Uns-Flow Steam Engine unit and
- 1—200 H.P. Water Tube Boiler.
- 2—750 G.P.M. Motor-driven Centrifugal Fire Pumps and Plant Switchboard.

Plans and specifications will be on file at the office of the Town Clerk, Leland, Mississippi, and at the office of the ENGINEERS.

Plans and specifications can be obtained from the ENGINEERS, SWANSON-McGRAW, INC., 426 Balter Building, New Orleans, La., by depositing five dollars (\$5), which is not refundable.

Each bid must be accompanied by certified check (bidder's bond not acceptable) in an amount of five per cent (5%) of the gross amount bid as evidence of good faith.

The right is reserved to reject any or all bids, waive any or all formalities or accept any bid or bids which in the opinion of the Board appear to be to the best interest of the town.

J. T. MATHIS, Mayor.

J. H. O'QUINN, Clerk.

SWANSON-McGRAW, INC.,  
Consulting Engineers,  
Balter Building,  
New Orleans, La.

Bids close June 5, 1928.

**Water-Works Wells and Pumps.**

Mount Dora, Florida.

Sealed proposals will be received by the Town Council of Mount Dora, Florida, until 7.30 P. M. Tuesday, June 5, 1928, for the furnishing and constructing of one or more deep wells and one or more screened wells, for pumping equipment adapted to these wells, for all necessary accessories to these improvements, and for such installation and sundry work as may be required to place them in satisfactory operation, in accordance with Plans and Specifications on file in the office of the Town Clerk of Mount Dora, where bids will be then received and publicly opened and read.

Plans and bid book of specifications, contract, etc., may be secured from the Engineers upon application, stating what parts of the work are of interest to the applicant, and accompanied by a deposit of Ten Dollars, Six Dollars and Two Dollars of which are refundable to bona fide bidders and to non-bidders, respectively, upon prompt return of the documents in good condition.

The waiving of technicalities, the rejection of any and all bids and other customary rights are hereby reserved by the Town Council.

TOWN OF MOUNT DORA, FLORIDA.

MR. A. C. QUIXLEY,

Chairman of Water Committee.

MR. W. J. JOHNSON,

Town Clerk.

MAIN ENGINEERING CO., INC.,

Engineers.

112 Baker Street,

Daytona Beach, Florida.

Bids close May 29, 1928.

**Wilbarger County Courthouse**

Vernon, Texas.

Contractors may secure plans from Voelcker & Dixon, Architects, 207 Perkins-Snyder Building, Wichita Falls, Texas, upon deposit of a certified check to amount of \$50 to insure safe return of plans within ten days of date issued or with bona fide bid.

Bids will be received until 10 A. M. Tuesday, May 29, 1928, at the office of E. L. McHugh, Auditor of Wilbarger County, Vernon, Texas, for the erection of a four-story Courthouse building, costing approximately \$350,000. General Contract, Plumbing, Heating, Wiring, Electric Fixtures and Furniture bids will be received at this time, but under separate divisions. Bids to be accompanied by a certified check to the amount of 5% of bid. Surety Bond of full amount of contract will be required. Owners reserve all usual rights.

Bids close May 31, 1928.

**Water-Works Equipment**

Mangham, La.

Mangham, Louisiana, will receive sealed bids at 1 P. M. May 31 for water-works equipment consisting of pumps, elevated tower and tank, cast pipe and fittings and all incidental labor and materials in connection therewith.

Plans and specifications are on file with the Clerk, H. B. Chambers, and the Engineer, F. P. Joseph, Glenmora, La., where they may be seen, read and copied.

Copies of the plans and specifications will be mailed to prospective bidders upon receipt of \$15, which amount is not refundable.

Right to reject any or all bids reserved.

W. SIM SAYRE, Mayor.

H. B. CHAMBERS, Clerk,

Mangham, La.

F. P. JOSEPH, M. E.,  
Consulting Engineer,  
Glenmora, La.

Bids close May 23, 1928.

**Electrical Equipment, Shop Tools and Supplies**

DEPARTMENT OF EDUCATION

OFFICE OF THE

BOARD OF SCHOOL COMMISSIONERS

MADISON AND LAFAYETTE AVENUES

Baltimore, May 9, 1928.

Separate Sealed Proposals, in duplicate, addressed to the Board of Awards of Baltimore City, will be received at the office of the City Register, City Hall, Baltimore, Md., until 11 o'clock A. M. Wednesday, May 23, 1928, endorsed as follows:

"Proposals for Furnishing and Installing Jack Panels, Batteries, Wiring, etc., for laboratories at the new City College and new Western High School for the Department of Education."

"Proposals for Furnishing Machinery, Equipment, Tools and Supplies for Automobile Shops for the Department of Education."

"Proposals for Furnishing Machinery, Equipment, Tools and Supplies for Sheet Metal Shops for the Department of Education."

Specifications for either of the above may be obtained at the office of the Director of Business Management of the School Board, corner Madison and Lafayette avenues, Baltimore, Md.

Each bid for Jack Panels, Batteries, Wiring, etc., must be accompanied by a certified check of the bidder for \$100; each bid for Machinery, Equipment, Tools and Supplies for Automobile Shops must be accompanied by a certified check for \$50; each bid for Machinery, Equipment, Tools and Supplies for Sheet Metal Shops must be accompanied by a certified check for \$50, each made payable to the Mayor and City Council of Baltimore, and drawn on a clearing-house bank.

The successful bidder will be required to give bond for the faithful performance of his contract in an amount equal to the contract price, and to comply with the City Charter respecting contracts.

The Board of Awards reserves the right to reject any or all bids.

JOSHUA R. JOLLY,

Acting Secretary Board of

School Commissioners.

Approved May 9, 1928.

WILLIAM F. BROENING,  
President Board of Awards.





# CLASSIFIED OPPORTUNITIES



## MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

**ZINC MINING** and fruit lands for sale at from \$7.50 to \$25 per acre in World's Greatest Zinc Fields. Buy before the rush.  
J. L. McCARTY, Yellville, Arkansas.

**TEXAS**—Farms and ranches; mineral lands, leases and royalties; Rio Grande Valley irrigated lands; Dallas City property; lists free. Without charge, will loan your money at 6 or 7%, secured by first mortgage, not to exceed 50% of value of Dallas property and protected by Guarantee Title policy for full amount of your loan. C. H. C. ANDERSON, 709-12 Linz Bldg., Dallas, Tex.

### FOR SALE TWO DEPOSITS OF LIMESTONE IN NORTHWEST FLORIDA

Both large tonnage and high grade. Railroad runs through one and no great distance from other. Should interest Cement Manufacturers. Address

S. D. CRENSHAW,  
P. O. Box 667, Richmond, Va.

### WASHED CLAYS

**SALE**—Washed Clays, suitable wall paper, pottery manufacturers; large yearly contracts desired. Address No. 6908, care of Manufacturers Record, Baltimore, Md.

### TIMBER AND TIMBER LAND

12,000 ACRES Virgin White and Red Oak timber, well located to highway, railroad. Estimated cut 50,000,000 ft. Write Security Abstract Co., DeQueen, Arkansas.

## FARM, FRUIT AND TRUCK LANDS

### ARKANSAS

**REAL FARM BARGAIN**—Extra well improved, 160-acre level, fertile farm; 2 miles to market, on K. C. S. Ry.; 40 acres in cultivation; good 5-room dwelling; barn 40x60; 5 poultry houses; garage, tool shed; potato-curing house; wash house; good well, all under fence; daily mail; in sight of 9-month school; good stock range; land fine for fruit and truck; well worth \$4000; must sell for \$1400. Ben Strader, DeQueen, Ark.

### FLORIDA

**BARGAIN**—10 acres, 10 minutes from New Smyrna beaches, 1 mile to P. O. and \$30,000 schoolhouse; \$10 down; \$10 mo.; bank reference. E. L. SQUIRE, Parkview Hospital, Palatka, Fla.

### THE SLUMP IS OVER

For more than two years now we have been hearing "The Boom is Over." The slump is over now. Send today for booklets and list of Groves, Farms and Investments. Tampa-West Coast Realty Co. (Inc.), Opp. Post-office, "Since before the War," Tampa, Fla.

**FLORIDA** Colonization Tracts, Farms, City property and Citrus Groves. Co-operative Association, giving resident and non-resident members' groves scientific care.

E. J. KAUFMANN, Realtor,  
(Established 1918),  
P. O. Box 15, Lakeland, Fla.

### NORTH CAROLINA

#### If interested

**FOR HOME OR FOR INVESTMENT** in the great and rapidly developing STATE OF NORTH CAROLINA, especially in its leading city, Charlotte, or in a Southern Cotton Mill or Southern Mill Stocks, write to

F. C. ABBOTT & CO.,  
Realtors and Investment Bankers  
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## FARM, FRUIT AND TRUCK LANDS

### TENNESSEE

**FARM**—500 Acres in Middle Tennessee; 300 A. cleared and in cultivation; 50 A. rich river bottom, balance good upland, level and rolling; 5-room residence, 2 tenant houses, very large barn. A real farm and a real bargain at \$10,000.

KEITH WEBB & SON,  
217 First National Bank Bldg.,  
Chattanooga, Tenn.

### TEXAS

**FOR SALE**—Forty thousand acres finest land winter garden of Texas; \$300 cash, balance easy. Also some of best cheap ranches—cattle, goats, sheep—\$3.50 acre up; good terms. R. J. THOMAS, Kirby Bldg., Dallas, Texas.

100 ACRES across Lemmon Ave. from Dallas Airport; fine practice field or manufacturing site. 1049-acre Ranch, Bosque Co., Tex.; convenient to town and shipping. 551 acres choice black land farm, Kaufman Co. All investments. J. C. Beall Co., Dallas, Tex.

**WANTED**—To trade 40 acres of fine citrus land, 20 acres in bearing trees, 1 8-room house, barn, well; 1 3-room house, barn, garage, well; 1 mile railroad station, and hard-surfaced road for improved grain or sheep ranch near town; good reason for selling. Address  
BOX 535, LaFERIA, TEXAS.

### "TEXAS 'WINTER GARDEN' LANDS."

A subdivision in 20-40 acre tracts, cleared and irrigated; suitable for Citrus Fruits, Winter Vegetables, Staple Crops. Reasonable prices. INVESTIGATE our proposition TODAY.

BERMUDA LANDS COMPANY, Realtors,  
501-4 Houston Building,  
San Antonio, Texas.

## BUSINESS OPPORTUNITIES

**FOR RENT**, Cheap—Well-lighted building, 20,000 feet floor space, in nice South Georgia town, with hydro-electric power; located on side track. Write LON DICKEY, Fitzgerald, Ga.

**WONDERFUL OFFERINGS** in machine shop; machinery business, carload of machinery and supplies, sawmill plant complete and many other industrial plants.  
OLIVER CARTER, Wilmington, N. C.

### ORANGES

Syndicate forming to take over a bearing orange grove in Florida. Write for particulars to

E. S. SLOUGH,  
Dade City, Florida.

## BUSINESS OPPORTUNITIES

**FOR RENT**—Full equipped tobacco re-drying plant, located in Georgia town of 8000 population, center tobacco belt. Write Fitzgerald Development Co., Fitzgerald, Ga.

50,000 ACRES hardwood timber, mill, etc. Take some trade. I have a large Cotton Plantation to trade for tract of good timber; many other big trades. BOB WORKMAN, P. O. Box 3089, Tampa, Fla.

**FOR SALE**—Extensive core-drilled verde antique marble deposit; complete manufacturing plant and equipment; good railroad facilities. Beautiful and rare stone, commanding a high price, with ready market. Proposition too large for present owners. Big opportunity for new organization. Paul H. Jamison, Box 405, Roanoke, Va.

## PUBLIC UTILITIES WANTED

**HAVE CLIENTS** with money to invest in public utilities, electric-power plants, water-works systems and ice factories. Write George B. Baskerville, Cons. Engineer, 1616 Tenth Avenue, South, Birmingham, Ala.

## INDUSTRIAL SURVEYS

**ENGINEERING REPORTS** on resources of cities and towns. Recommendations for industrial development made by specialists in locating industries.

TECHNICAL SERVICE COMPANY  
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**FACTORY BUILDING AVAILABLE** in Southern town of 3000 population. Two-story brick building, with 10,000 feet floor space; steam heated, sprinkler system, electric lights, large windows; located on railroad. Suitable for textile mill, hosiery mill or similar use. Healthful location, good water, sewers, paved streets; labor plentiful and cheap. Liberal co-operation of citizens. No. 6894, care of Manufacturers Record.

## INDUSTRIES WANTED

### INDUSTRIES WANTED

at Buchanan, in the Valley of Virginia. On the historic James River and nationally noted highway leading from Canada and New England to the South and Southwest, twenty-five miles north of Roanoke City. 100 acres free sites on either the Norfolk & Western or Chesapeake & Ohio Railways. Splendid location for manufacturing plants such as textile goods, rayon, furniture of both hard and soft woods; unlimited electric power. Water analysis shows special fitness for textiles of all kinds. Survey shows abundant labor, both male and female. Splendid farming and dairying territory adjacent. Schools the highest standard. Banking facilities adequate for all demands. Full information furnished by Industrial Committee of Business Men's Club.

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**A COMPLETELY EQUIPPED MILLWORK MANUFACTURING PLANT** at Spartanburg, S. C., for Rent. A wonderful opportunity to the right party. Address SPARTANBURG LUMBER MFG. CO.

**FOR SALE**—Woodworking plant; buildings large and substantial; machinery modern, high speed; brick dry kilns, railroad siding. Located in good town in the Southeast on three trunk-line railroads. Mill can be operated as a planing and moulding mill or as a hardwood specialty mill. Hardwood and pine lumber and timber available. Terms to responsible parties. Address No. 6903, care Manufacturers Record, Baltimore, Md.

## INDUSTRIAL PLANTS

**FOR SALE**—One mill building, located in South. Ample space for one hundred knitting machines. Equipped with dye house, boarding room, space for finishing product, etc. Good location, plenty of experienced labor. Will sell cheap. Address inquiries to Box 79, Athens, Tennessee.

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Charlotte office convenient to South. **PAUL B. EATON**, Registered Patent Attorney, 406 Independence Building, Charlotte, N. C., and 903 Grant Place N. W., Washington, D. C.

## FOREIGN AGENCY WANTED

**SWISS-AMERICAN**, going abroad, wishes to hear from American manufacturer desiring to establish business relations in Europe. Address No. 6901, care Manufacturers Record, Baltimore, Md.

## SITUATIONS WANTED

**TECHNICAL MAN**, with Chemical Engineering training and production experience, wants to make connection. Address No. 6904, care Manufacturers Record.

**POWER-PLANT ENGINEER** desires position with steam turbine or hydro-electric plant or combination engineer-master mech. elec. in South; 25 yrs. experience; references. 6905, care Manufacturers Record.

## SITUATIONS WANTED

**AMERICAN FARM SUPERINTENDENT** now employed on large farm would take full charge of large place near good market for high-grade milk. Can make certified milk and manage all departments of farm to full advantage. Experienced in growing and marketing fruit and vegetables. Address No. 6899, care Manufacturers Record.

**ASSOCIATION SECRETARY**, age 47, married, with twenty-five years' experience as industrial, trade and trade-promotion secretary, thoroughly familiar with organizing and supervising co-operative trade-extension campaigns, experienced public speaker and writer, experienced counsellor on labor problems, willing to locate in any part of the country; can give high-class references. For detailed information, references, etc., address No. 6907, care of Manufacturers Record, Baltimore, Md.

## MEN WANTED

**SALESMAN WANTED**—Our proposition offers greater earning possibilities to the real salesman than is offered to him in most any other line. A credit and collection service with a bonded recovery obligation. **American Security Credit Company**, General Offices, St. Louis, Mo.

**IF YOU ARE OPEN** to overtures for new connection and qualified for a salary between \$2500 and \$25,000, your response to this announcement is invited. The undersigned provides a thoroughly organized service, of recognized standards and reputation, through which preliminaries are negotiated confidentially for positions of the caller indicated. The procedure is individualized to each client's personal requirements; your identity covered and present position protected. Established seventeen years. Send only name and address for details.

**R. W. BIXBY, INC.**,  
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## MEN WANTED

**WANTED**—A layerout with experience in all kinds of Plate work, including blast furnaces, who is capable of taking charge of layingout department. Give age, salary expected, experience and references in first letter. This is a permanent connection with a large corporation in a Southern city. In reply refer to No. 6900, care of Manufacturers Record, Baltimore, Md.

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**PLATE WORKING MACHINERY**—a complete line.  
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Castings: Grey Iron and Semi-Steel, any size up to 40,000 lbs.  
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**FOR SALE**—Crawfordsville Espanol Roof Tile Machine, practically new, with pallets and complete special equipment; will sell for \$500.

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**ICE-MAKING AND REFRIGERATING MACHINERY**—New and rebuilt. Our prices on new Waynesboro Refrigerating Equipment and Household Electric Refrigerators very low. Buy direct from the manufacturer. All sizes. Get our prices on your requirements. **GEISER MANUFACTURING COMPANY**, "Department E," Waynesboro, Pa.

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**WANTED**—To buy tanks, new or used, of various sizes, suitable for storing gasoline. Address H, 1521 Peachtree street, N. E., Atlanta, Georgia.

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**Complete Mill—either an equipment or turn key job of complete mill from start to finish**

I have for sale a complete spinning equipment of thoroughly modern machinery to make single or two ply yarns on 30s to 40s—20,000 spindles which can be furnished in one unit or in two units of 10,000 spindles each. Or can furnish with 40-inch Draper Looms to make print cloths. I can furnish this machinery at very reasonable price to any mill wanting machinery or will build a mill complete from start to finish using this machinery—at a price of \$40.00 per spindle on two ply yarns or \$42.50 per spindle on print cloth.

If desired can furnish practical men to operate mill, who will subscribe for five per cent of the capital stock of the mill and I can myself take or place an additional five per cent.

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**CHEROKEE ROCK ASPHALT COMPANY  
THE ROCK ASPHALT CORPORATION  
ASPHALT PLANT, CHEROKEE, ALABAMA**

To be Sold as a Complete Unit

At 12.00 noon, June 25, 1928

At the Court House Door, in Tusculumbia, Colbert  
County, State of Alabama.

The plant is located in the Eastern suburbs of the town of Cherokee, Colbert County, Alabama, twenty-five miles West of Wilson Dam and Muscle Shoals, in the natural sandstone asphalt belt of Northern Alabama. Material of this section has natural bitumen content, suitable and used for paving purposes. The mineral aggregate of this product is a natural mixture which makes a very desirable paving product.

The property, plant and all assets, with quarry equipment, is offered for sale, as a unit, subject to confirmation by the Court.

Sale by public outcry at above place and date, free of liens; terms, cash in hand or one-third cash, balance two equal payments six and twelve months.

Prospective purchasers may call at the plant office before the above date of sale, and facilities will be afforded for complete inspection of the properties.

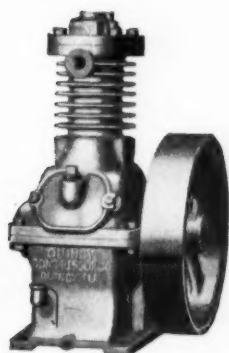
For further information, address

**W. R. STRICKLAND, Receiver**  
CHEROKEE, COLBERT COUNTY ALABAMA





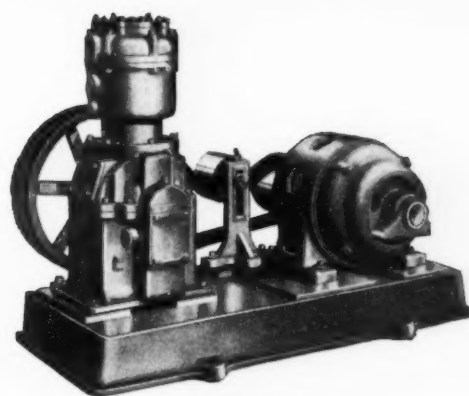
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| A-1 | 2½x2½ | 4.2 cu. ft.  |
| A-2 | 3 x3½ | 8.6 cu. ft.  |
| A-3 | 4½x3½ | 19.2 cu. ft. |
| A-4 | 4½x4  | 22. cu. ft.  |
| A-5 | 4½x5  | 27.6 cu. ft. |

Model A furnished with tight and loose pulley if desired.



**MODEL WD**

Water Cooled Unit built in four sizes with W-Type Compressors. For general industrial purposes.

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| WD-1 | 22 cu. ft.  | 5 H.P. Motor  |
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